

get growing!



CLASSES FOR YOUTHS,
FAMILIES, AND ADULTS

FALL & WINTER 2010/2011
SEPTEMBER 2010–FEBRUARY 2011



MISSOURI BOTANICAL GARDEN

www.mobot.org/classes

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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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To discover and share knowledge about plants and their environment in order to preserve and enrich life.
– mission of the Missouri Botanical Garden

YOUTH & FAMILY PROGRAMS: AGES 2-6

Our youth and family programs have been designed for children and adults to experience together. For these classes, children must be accompanied by an adult. Pricing is per child, unless otherwise noted.

Little Sprouts – Fall

(ages 2-3) – MBG

Learn about plants and nature with your toddler during this seven-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. Pricing includes one adult and one child.

Fall Monday series – [September 13, 20, 27](#) and [October 4, 11, 18, 25](#)

Fall Tuesday series – [September 14, 21, 28](#) and [October 5, 12, 19, 26](#)

Fall Wednesday series – [September 15, 22, 29](#) and [October 6, 13, 20, 27](#)

10 to 11:30 a.m.

\$98 members; \$126 nonmembers

Jordan Education Wing

Kelly Wehrheim

Little Sprouts – Winter

(ages 2-3) – MBG

Introduce your toddler to the wonderful winter world of plants and nature during this four-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. Pricing includes one adult and one child.

Winter Monday series: [November 15, 22](#) and [December 6, 13](#)

Winter Tuesday series: [November 16, 23](#) and [December 7, 14](#)

10 to 11:30 a.m.

\$56 members; \$72 nonmembers

Jordan Education Wing

Kelly Wehrheim

Little Acorns (ages 3-5) – SNR

Come and explore Shaw Nature Reserve with your preschooler! For "Earthwalk," you'll use your senses to find the colors of the rainbow, look for insects, listen for wildlife, and search for smells. During "The Unhuggables," you'll learn about bats, spiders, and snakes, and discover why these critters are so important to us. And together, you'll explore how and why animals use camouflage during "Now You See Me, Now You Don't." Every Little Acorns class includes hands-on activities, a story, snack, and a craft. Price includes one child and one adult.

"Earthwalk" – [Tuesday, September 7](#)

"The Unhuggables" – [Tuesday, October 5](#)

"Now You See Me, Now You Don't" – [Tuesday, November 2](#)

9:30 a.m. to noon

\$14 members; \$18 nonmembers

Multi-class benefit: If you book all three programs, you and your child will receive a free t-shirt and journal!

Carriage House

Karen Bryan

Strollerobics – MBG

Workout 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 moms!

Tuesday series*: [September 7, 14, 21, 28](#) & [October 5, 12, 19, 26](#)

Wednesday series: [September 8, 15, 22, 29](#) & [October 6, 13, 20, 27](#)

Thursday series: [September 9, 16, 23, 30](#) & [October 7, 14, 21, 28](#)

Friday series: [September 10, 17, 24](#) & [October 1, 8, 15, 22, 29](#)

9:30 to 10:30 a.m.

*Tuesday series also offered in the evening: 6 to 7 p.m.

\$52 members; \$64 nonmembers

Check in at Ridgway Center front desk

Conservation

The Power of Parents

Many of us parents still have distinct memories of climbing trees, wading in rivers, peering into tidepools, and hiking trails near and far, even if those "trails" were our own neighborhood trees. Where are all the wanderers and explorers today? The growing disconnection between children and nature is daunting, but not insurmountable. What's needed? You. Research shows that children who have adults in their lives who explore and enjoy the outdoors alongside them – playing, hiking, fishing, climbing trees – are more likely to continue these behaviors throughout their lives. What are you waiting for? Get outside!

Connection

Garden Buds (ages 4-5) – MBG

The fall and winter seasons can be magical, memorable times to discover nature's most amazing wonders with your preschooler. You and your Garden Bud will explore together in ways that spark curiosity and inspire a lifelong love for nature.

"Last Stomp of the Dinosaurs" – [September 9](#)

"Under the Garden" – [September 23](#)

"Beautiful Bamboo" – [October 28](#)

"Leaf Giants" – [November 4](#)

"Cheer for Chocolate" – [November 18](#)

"Plants as Presents" – [December 9](#)

10 to 11:30 a.m.;

\$14 members; \$18 nonmembers

Multi-class benefit: If you book three or more programs, you and your child will receive a free t-shirt and journal!

Jordan Education Wing

MBG Staff

YOUTH & FAMILY PROGRAMS: AGES 6–12

CLASSES

All-Girls Garden Party (girls ages 6–10) – MBG
Please join us to celebrate the blooming beauties of the Garden! We will create floral centerpieces and party wear, prepare seasonal snacks, and then enjoy an eco-friendly celebration at the Kemper Center's Summer Plant House. Pricing includes one child and one adult.

Saturday, September 11

10 a.m. to 1 p.m.

\$29 members; \$36 nonmembers

Jordan Education Wing and Kemper Center Plant House

MBG Staff

Terrific Terrariums (ages 6–10) – MBG
Discover why terrariums create a perfect growing environment for plants. We'll visit another great growing environment, the Climatron, celebrating its 50th birthday this year! You'll also create a terrific terrarium of your own to keep or give as a gift. Pricing includes one child and one adult.

Saturday, November 13

10 a.m. to noon

\$24 members; \$30 nonmembers

Jordan Education Wing

MBG Staff

SLEEPOVERS

Little House on the Prairie Overnight: Cooking and Crafts

(ages 6–12) – SNR

Are you a fan and follower of the Little House on the Prairie stories? Come join us for this memorable overnight, where you'll experience a little bit of life in the 1800s, create period crafts, and recreate recipes from various books in the Little House series. Children must be accompanied by an adult. Price is per person, and includes both late-night snack and breakfast.

Friday, September 10 to Saturday,

September 11

7 p.m. to 11 a.m.

\$48 members; \$60 nonmembers

Dana Brown Overnight Center

Karen Bryan, Aileen Abbott

Fall Family Sleepover

(ages 6–12) – MBG

Calling all nature-loving families: Come explore the Garden at night like never before! We'll take a night hike adventure, create a craft, play in the Children's Garden, tell some stories, and plant a plant to take home. You'll bed down for the night amid the Garden's lush landscapes under the stars! Children must be accompanied by an adult. Price is per person and includes dinner, late-night snack, and light continental breakfast.

Saturday, October 9 to Sunday, October 10

5:30 p.m. to 8:30 a.m.

\$40 members; \$50 nonmembers

MBG Staff

Holiday Decorating

Overnight (families with children ages 7 and older) – SNR

This workshop for families will use primarily natural materials. Hands-on, concurrent sessions will include making a small wreath, a centerpiece, a garland of greens, and ornaments for various skill levels. Make any or all to take home and enjoy. Accommodations dormitory style in historic log lodges. Breakfast included. Adults bring pruners and gardening gloves. All other materials provided. Pricing is per person.

Friday, December 3 to Saturday, December 4

7 p.m. to 11 a.m.

\$44 members; \$55 nonmembers

Dana Brown Overnight Center

SNR staff and volunteers

FOR FAMILIES OF ALL AGES

SPECIAL EVENTS

EarthWays Center 5% Day at Whole Foods Markets

Whether you're stocking up or running a quick errand, stop at Whole Foods on Thursday, September 16, and 5% of your purchase amount will be donated to EarthWays Center! Throughout the day, staff and volunteers from EarthWays will present fun, hands-on resource conservation activities and recycled-material art activities for kids at both locations: the Galleria store, 1601 S. Brentwood Blvd.; and the Creve Coeur store, 1160 Town and Country Crossing Drive.

Thursday, September 16

11 a.m. to 7 p.m.

Free

EWC staff & volunteers

Prairie Day – SNR

Take a naturalist-led hike through the tallgrass prairie to check out the sod house and teepee. Visit a buffalo hunter, a blacksmith, or numerous other reenactors and crafters. Try your hand at candle-making, quilting, tomahawk throwing, carving, flintknapping, or listen to ole-time music. See the live animals on display and maybe even get to hold one. If you get hungry, try a bison burger or some homemade baked goods. Sponsored by SNR and the Missouri Department of Conservation.

Saturday, September 25

10 a.m. to 4 p.m.

\$3 members; \$5 nonmembers (\$1 for children ages 12 & younger)

SNR Staff & MDC Staff

Green Homes Festival – EWC

Hosted by the Missouri Botanical Garden's EarthWays Center and the Missouri Coalition for the Environment. Grandel Square, the urban home of the EarthWays Center, will become a Green Street Promenade of exhibitors, vendors, and children's activities. Expert workshops and demonstrations will cover topics including solar and wind energy, home and vehicle efficiency, urban farming, composting, and more.

Saturday, September 25

10 a.m. to 6 p.m.

Free

EarthWays Center and Grandel Square

EWC staff & volunteers; Missouri Coalition for the Environment staff & volunteers

Green Parenting Series – NEW (families with children of all ages)

No doubt, parenting is the toughest – and most rewarding – job on Earth. This new series aims to make parental and family life a bit easier – and greener!

Green Parenting: Making a Sustainable Impact on Your Child’s School – EWC

Do you wish your child’s school was doing more to be green? There may be more that you can do than you realize! Meet with EarthWays staff plus faculty and parents from local schools to discover a variety of simple, easy ways you can positively influence your child’s school, fellow students, teachers, and community toward sustainable living. Class recommended for parents only, but up to three accompanying children allowed.

Sunday, September 12

2 to 3:30 p.m.

\$12 members; \$15 nonmembers

EarthWays Conference Room

Kim Petzing & EWC volunteers

Green Parenting: Fun in the Sun – Solar Energy for the Family – MBG

Bring the family to discover the basics of how solar power works both in your own life and at the Garden. A variety of hands-on experiments and fun activities, including creating artwork and making s’mores without a campfire, will shed some eco-friendly light on the subject! Pricing includes one adult and up to three children.

Saturday, October 23

2:30 to 4 p.m.

\$28 members; \$35 nonmembers

Kemper Center Classroom

Kim Petzing & volunteers

Green Parenting: Green Gifting for the Holidays – EWC

Join Jessica Kester of “Verde Kids” to create unique green gifts for your family and friends, while you take away oodles of inspiring ideas for ways to make your holidays more sustainable. Snacks and a quick scavenger hunt of EarthWays Center will also be a part of the day’s fun. Pricing includes one adult and up to three children.

Sunday, December 5

1 to 3 p.m.

\$28 members; \$35 nonmembers

EarthWays Conference Room

Jessica Kester, Kim Petzing & EWC volunteers

Green Parenting: Green Kids are Clean Kids – EWC

In this family-friendly class, Richelle White from Herb’n Maid will teach parents and children alike about creating a cleaner, greener indoor environment and making environmentally-responsible choices. We’ll talk about the importance of chores, and suitable chores for toddlers through teens to assist with general household clean-up. In the hands-on segment, while their children create an organizational bin, parents will learn to define “zones” throughout the home to identify what items belong where. An organized home is on the way to becoming a green home, simply by reducing waste and redundancy! Age-appropriate, informative, and fun! Pricing includes one adult and up to three children.

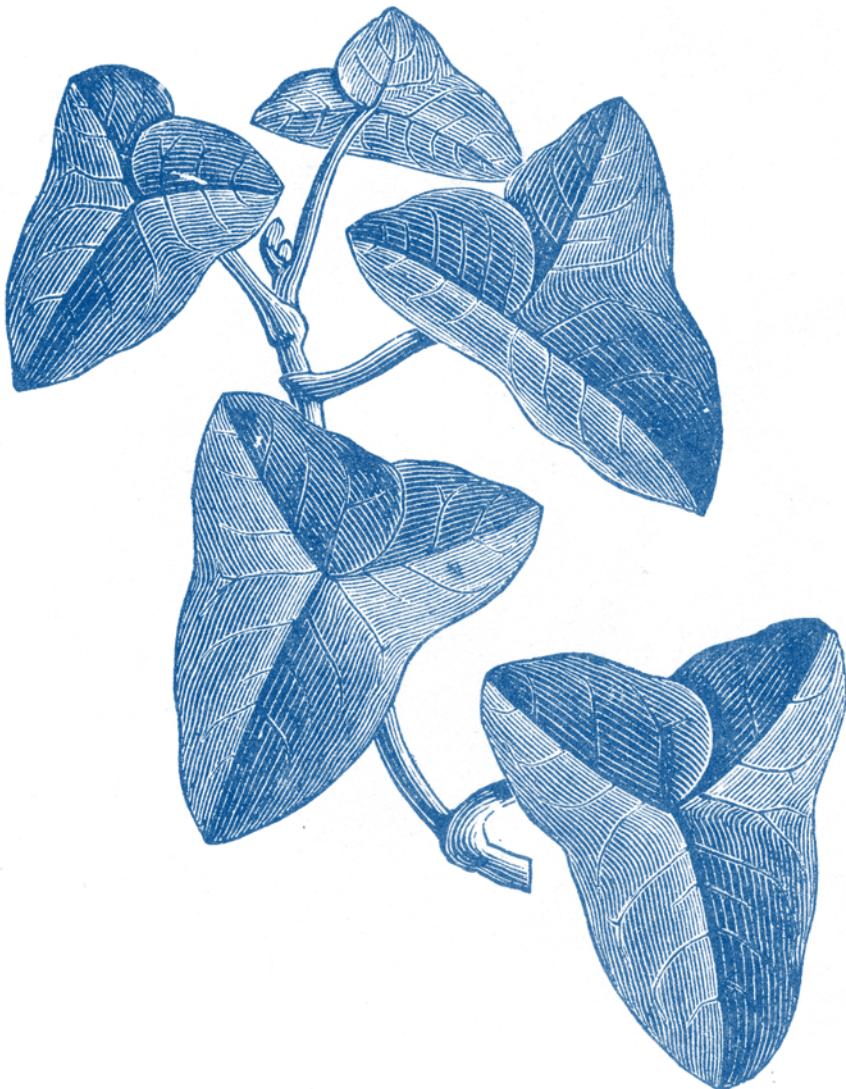
Saturday, January 22

1 to 3 p.m.

\$28 members; \$35 nonmembers

EarthWays Conference Room

Richelle White, Kim Petzing & EWC volunteers



DROP-IN PROGRAMS

Here are some fun adventures for your entire family to drop in on...

Great Green

Adventures – MBG

Designed for families of all ages, "Great Green Adventures" is all about encouraging families to explore the outdoors together throughout the entire year. These expert-led Saturday excursions will celebrate plants, nature, and green living through hands-on activities, journaling, stories, and games. Meet us at the Children's Garden Ticket Fort for a special hour-long adventure on the Garden grounds.

"Garden Apartments" – Saturday, September 18

"Signs of Fall" – Saturday, October 16

"Mums the Word" – Saturday, November 20

"Trees with Winter Coats" – Saturday, December 18

Third Saturday of each month
10:30 to 11:30 a.m.

AND

1:30 to 2:30 p.m.

Free with general admission for members;
\$3 nonmembers

Children's Garden Ticket Fort
Kelly Wehrheim

Discover Nature –

Families – SNR

During your visit to Shaw Nature Reserve, join us for fun, informal learning activities designed to enhance your family's understanding of the plants, animals, and other natural wonders of the reserve.

Spend 5 minutes or a half hour.

"Prairie Adventure" – Saturday, September 18

"Autumn Fun" – Saturday, October 16

9:30 a.m. to noon

Free with general admission

SNR Visitors Center
SNR staff & volunteers

Spring Peeper Musical – SNR

Shaw Nature Reserve's wetland attracts thousands of spring peepers and other frogs during the mating season. Join us for this frantic and fantastic frog festival of song. Guides lead you to the site. Put your name on the contact list by e-mailing helen.mccallie@mobot.org or by calling (636) 451-3512 x 6075. E-mail is preferred. All ages are welcome, and pricing is per person.

From February 15 to March 31 (depends on the frogs... we'll e-mail you!)

7:30 to 9:15 p.m.

\$5 members; \$7 nonmembers

SNR Visitors Center
SNR staff & volunteers

Buzz: Monarch Migration and Tagging – BH

Tiny Monarch butterflies migrate thousands of miles each year – among the most extraordinary feats of nature. Discover what dangers Monarchs face along their migration routes and their amazing story of survival. Kids will get to play a migration game, then tag a Monarch butterfly of their own.

Sunday, September 19

11 a.m. to 2 p.m.

Included with admission
Chris Hartley

Orchids and Owls – BH

Throughout October, the Butterfly House is the place to be for families on Tuesday nights. Enjoy the conservatory's extraordinary orchids while strolling amid hundreds of owl butterflies – known for their large wingspans and large eyespots resembling an owl.

Tuesday evenings - October 5, 12, 19,

and 26

4 to 7 p.m.

Included with admission
BH staff

Bootterflies – BH

Experience a non-spooky Halloween family fun day, featuring insect-inspired games and crafts designed for kids ages 3 to 10. Kids receive game prizes and a goody bag!

October 23, 24

11 a.m. to 2 p.m.

Included with admission
BH staff

Bugaloo: Nature's ABC's and 1-2-3's – BH

Designed for children ages 2-4 and their families, "Bugaloo" is back and celebrating the ABC's and 1-2-3's of the animal world with fun books, real animals, learning games and other hands-on discoveries. During your visit, come into the Lopata Learning Lab for just a bit or stay and play a while!

Tuesday, November 2: 9:30 a.m. to 12:30 p.m.

Sunday, November 14: 11 a.m. to 2 p.m.

Included with admission

Lopata Learning Lab

Donna Dupske

Conservation

Butterflies

The little things really do run the world. Did you know that insects represent more than half of all known living organisms? And you can meet many of them up close at the only Association of Zoos & Aquariums accredited, all-insect facility in the U.S. – the Sophia M. Sachs Butterfly House in Chesterfield. Connecting more than 150,000 people a year to butterflies and other amazing bugs, the Butterfly House celebrates the critical role insects play in our world. But the Butterfly House's impacts reach far beyond St. Louis. For more than eight years, they've partnered with and supported El Bosque Nuevo, a butterfly farm in Costa Rica, to care for at-risk butterflies, reduce illegal trade of butterflies, and protect and preserve critical habitat.

Connection

Bugaloo: Nature's Shapes and Colors – BH

Designed for children ages 2-4 and their families, "Bugaloo" is back and celebrating Mother Nature's shapes and colors with fun books, insects, learning games, and other hands-on discoveries. Come mix red, yellow, and blue with circles, squares, and triangles and have a "naturally" good time. During your visit, come into the Lopata Learning Lab for just a bit or stay and play a while!

Tuesday, February 1: 9:30 a.m. to 12:30 p.m.

Sunday, February 13: 11 a.m. to 2 p.m.

Included with admission

Lopata Learning Lab

Donna Dupske

ADULT CLASSES: GARDENING & LANDSCAPING

Conservation

Grow Native!

The Garden's Shaw Nature Reserve, in collaboration with the Missouri Department of Conservation and the Missouri Department of Agriculture, supports the "Grow Native!" program, an initiative aimed at protecting and restoring our state's biodiversity by increasing conservation awareness of native plants and their effective use. By building partnerships among private industry, non-profit organizations, government agencies and landowners, Grow Native! aims to significantly increase the demand for and use of native plants on all landscapes.

Connection

Native Plant School – SNR

Native Plant School is a year-round series of indoor/outdoor classes in the Whitmire Wildflower Garden at Shaw Nature Reserve. It covers various aspects of native landscaping. Please bring your questions, comments, drawings, and plant specimens. Participation from the audience is encouraged.

Prairie & Savanna Reconstruction Part 2: Seeding & Maintenance

Thursday, September 2 OR

Friday, September 3

1 to 4 p.m.

\$8 members; \$12 nonmembers

Carriage House

Scott Woodbury

Native Small Flowering Trees & Shrubs

Thursday, October 14 OR Friday, October 15

1 to 4 p.m.

\$8 members; \$12 nonmembers

Carriage House

Scott Woodbury

Natural Looking Paths and Patios Made with Stone and Concrete

Thursday, November 11 OR

Friday, November 12

1 to 4 p.m.

\$8 members; \$12 nonmembers

Carriage House

Scott Woodbury

Control and ID of "The Worst" Invasive Woody Plants

Thursday, January 13 OR Friday, January 14

1 to 4 p.m.

\$10 members; \$13 nonmembers

Carriage House

Scott Woodbury

Native Plant Propagation from Seed

Thursday, February 10 OR Friday, February 11

1 to 4 p.m.

\$10 members; \$13 nonmembers

Carriage House

Scott Woodbury

GARDENING BEST PRACTICES

Eco-Frugal Gardening – MBG

Save some money (and the planet!) with Laura's great, "eco-frugal" gardening guide. Learn helpful techniques and tips, from overwintering your favorite tropicals to free fertilizer to how to make your own self-watering pot. Gardeners are inherently resourceful, but Laura will show you how to increase efficiency, use less, and save money.

Saturday, September 11

9:30 a.m. to noon

\$31 members; \$39 nonmembers

Kemper Center Classroom

Laura Schaefer

Greening Your Garden & Yard – MBG

Join us for a three-part class introducing you to gardening and landscaping with sustainability in mind. It will cover the "right plant for the right place" concept, including native plants, soil preparation to keep your plants happy, and alternatives to lawns to reduce mowing and labor. Cindy shares her amazing wealth of knowledge on the subject and invites you to begin greening your garden and yard this fall.

Wednesdays – September 22, 29, October 6

7 to 9 p.m.

\$75 members; \$95 nonmembers

Ridgway Center – Missouri Room

Cindy Gilberg

More About Seed: Seed

Saving & Starting Seed – EWC

Be a part of the entire growing season of your plants, from seed to plant and back to seed. Discover the basics of seed saving to starting plants indoors along with tips for growing healthy starts to transplanting outdoors, where the whole process begins again!

Tuesday, September 21

7 to 8:30 p.m.

\$16 members; \$20 nonmembers

EarthWays Center Conference Room

Julia Weese-Young

GARDENING BEST PRACTICES (CONTINUED)

Growing Orchids – MBG

Have you resisted buying that intriguing orchid or are you unsure how to encourage best bloom performance? Come learn about light, temperature, water requirements, and maintenance practices such as fertilizing, dividing and repotting, and identifying and controlling insects. This course is appropriate for both orchid novices and enthusiasts.

Wednesday, September 22

7 to 9 p.m.

\$25 members; \$32 nonmembers
Ridgway Center – Garden Room
Babs Wagner

Petals and Wings: Butterfly Gardening with Native Plants – BH

One of the many advantages of growing native plants is attracting native butterflies. Come learn which of our Missouri native plants will best attract butterflies, grow well under the conditions in your garden, and flourish with your new expertise.

Saturday, October 9

2 to 4 p.m.

\$12 members; \$15 nonmembers
Butterfly House
Lisa Williams

Putting Your Garden to Bed – MBG

Many gardening practices are best done in the fall, others are best left until late winter or early spring, and others can be done at most any time of year. In this session, Mike will address the proper timing of garden practices and focus on those “putting to bed” activities which will benefit your garden the most. He will dispel myths and give you insight into plant processes which will add to your gardening knowledge, skill and enjoyment.

Wednesday, October 13

7 to 9 p.m.

\$25 members; \$32 nonmembers
Ridgway Center – Garden Room
Mike Miller

Pruning Basics – 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.

Wednesday, October 20

7 to 9 p.m.

\$25 members; \$32 nonmembers
Ridgway Center – Missouri Room
Ben Chu

Sweet Soils – MBG

“Sweet soil” is the common term for our alkaline soils. Teresa will discuss the importance of your soil's pH including the effects it has on plants and how to make changes. She will also discuss the nitrogen cycle including the soil biology and how they interrelate to provide nutrients to your plants. A fun enthusiastic delivery is free with purchase.

Wednesday, October 27

7 to 9 p.m.

\$25 members; \$32 nonmembers
Ridgway Center – Missouri Room
Teresa Morris

Conservation

Sacred Seeds

The William L. Brown Center (WLBC) at the Missouri Botanical Garden is embarking on an effort to preserve biodiversity and traditional plant knowledge. The program, Sacred Seeds, is a network of living gardens around the world containing locally important plants, including those of medicinal, ceremonial, food crop, and craft value. For millennia, medicinal herbs have sustained traditional societies, but today, over-harvesting, deforestation, and global climate change threaten 70,000 medicinal plants. It's estimated that 80 percent of the population in developing countries still relies on medicinal herbs to meet primary health-care needs. Medicinal herbs have also inspired many pharmaceuticals on which we rely today. Sacred Seeds is working to save and steward these important plant sanctuaries here in the U.S. and in communities around the world.

Connection

Introduction to

Permaculture – EWC

What exactly is permaculture and how does it apply to you? Discover the origins of this gardening practice, basic design principles and concepts, and become familiar with permaculture ideas at work in present-day case studies.

Tuesday, January 11

7 to 8:30 p.m.

\$16 members; \$20 nonmembers
EarthWays Center Conference Room
Julia Weese-Young

Conservation

Orchids

The Missouri Botanical Garden maintains one of the nation's largest orchid collections, with over 8,100 individual plants in hundreds of varieties. Found on six continents, orchids are the largest family of flowering plants in the world, with some 30,000 to 35,000 species – nearly 10 percent of all flowering plants! While only a few hundred orchid species grow in North America, thousands more grow in tropical countries like Ecuador and Costa Rica. Orchids face many risks in the wild, including overcollection by humans and climate change. The Garden is continuing its decades-long work around the world to document and protect orchids and other at-risk plants and entire ecosystems.

Connection

Organic Vegetable Garden: Fall & Spring – MBG

Learn the theory and practice of vegetable gardening using organic methods. Topics covered will include garden planning for fall, winter and spring, soil preparation, mulching, composting, insect control, and seed selection.

Thursday, September 9

7 to 9 p.m.

OR

Saturday, November 6

9 to 11 a.m.

\$25 members; \$32 nonmembers

Ridgway Center – Missouri Room

Cheryl Rafert

Grow Your Own Small Fruit – MBG

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

Thursday, September 16

7 to 9 p.m.

\$25 members; \$32 nonmembers

Ridgway Center – Missouri Room

Elizabeth Wahle

Herb Garden Design – MBG

Learn the finer points of combining and arranging herb plants to produce stunning and useful designs. Identification, site selection and care will also be covered. From perennials to annuals, herbs of all shapes and sizes can be used.

Saturday, September 18

9 to 11 a.m.

\$25 members; \$32 nonmembers

Ridgway Center – Missouri Room

Cindy Gilberg

Edibles in the Landscape – MBG

Pick a pail of peppers in the perennials garden after learning about edible landscaping. Learn to incorporate chard with your chocolate flower, and dill with your daylilies in this class to inspire you to combine and cut from a beautiful garden that incorporates edibles with the ornamentals.

Thursday, September 23

7 to 9 p.m.

\$25 members; \$32 nonmembers

Ridgway Center – Missouri Room

Terry Milne

Three Season Vegetable Gardening – EWC

Extend your growing season as you learn a variety of techniques to warm the air and soil, the importance of plant choice and ways to keep fresh food in the garden longer.

Tuesday, October 12

7 to 8:30 p.m.

\$16 members; \$20 nonmembers

EarthWays Center Conference Room

Julia Weese-Young

Raised Garden – MBG

Do you have heavy, rock-hard soil but want a beautiful vegetable garden? Fall is the perfect time to start a raised bed garden. Dianne will teach 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.

Thursday, October 21

7 to 9 p.m.

\$25 members; \$32 nonmembers

Ridgway Center – Missouri Room

Dianne O'Connell

LANDSCAPE DESIGN & IDEAS

Home Landscape Design – MBG

This five-week 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 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.

5 Sundays – September 19, 26; October 10, 17, 24

1:30 to 3:30 p.m.

\$120 members; \$150 nonmembers

Kemper Center Classroom

Randy Mardis

OR

5 Tuesdays – October 26; November 2, 9, 16, 23

7 to 9 p.m.

\$120 members; \$150 nonmembers

Ridgway Center – Garden Room

John Bell

A Wonderful Winter Garden – 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 from her 33 years of experience at the Garden. It's contagious!

Tuesday, December 7

7 to 9 p.m.

\$25 members; \$32 nonmembers

Ridgway Center – Missouri Room

June Hutson

Rain Gardens: Fun & Functional Water-Saving Landscapes – EWC

Just in time for spring garden planning, learn the basics of design, construction and maintaining a rain garden to minimize storm runoff from your property. Jennifer Schamber from Greenscape Gardens will share her expertise on native plant selection to her collaboration with MSD on Habitat for Humanity home rain gardens.

Thursday, February 10

7 to 8:30 p.m.

\$12 members; \$15 nonmembers

EarthWays Center Conference Room

Jennifer Schamber

Wilderness Wagon

Tours – SNR

Enjoy the beauty of fall with a tour of Shaw Nature Reserve for your group. Reserve the Wilderness Wagon or arrange for a tour on your bus. Naturalists accompany you on a ride through the Reserve with optional stops along the way. Fees vary. Call for prices.

August 1 to October 31

Weekdays: Between 9 a.m. and 3 p.m.

Saturdays: 10 a.m. or 11 a.m.

Pricing varies; call for group pricing

SNR Visitor Center

SNR Volunteer Tour Guides

Lunch Tour or Dinner Tour of Shaw Nature Reserve – SNR

Gather 8 or 10 friends for a luncheon or dinner tour of the Nature Reserve. Travel by the Wilderness Wagon for this progressive dinner: Hors d'oeuvres on the terrace overlooking the Whitmire Wildflower Garden, dinner at the Adlyne Freund Center, dessert by candlelight within strolling distance of the wetland. Luncheons will occur in the midst of what's in bloom, beautiful fall color or be surprised. For adults only.

August 1 to November 30

Call for available dates and times: (636) 451-3512, x6075 (Ask for Helen)

Lunch Tours for 8–10 guests*: \$650 members; \$800 nonmembers

Dinner Tours for 8–10 guests*: \$850 members; \$1,000 nonmembers

*No discount for fewer people.

SNR Visitor Center

Helen McCallie

Fall Wildflower

Rambles – SNR

Join these informal educational walks through the colorful fall season. Shaw Nature Reserve's excellent trail system, winding through upland and bottomland forest, is an ideal place to enjoy the fall color and other natural wonders. These walks are led by wildflower naturalists. Wear comfortable hiking clothes and bring a sack lunch. No reservations taken; please pay on arrival. Adults only.

September 7, 14, or 21

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

\$6 members; \$8 nonmembers

SNR Visitors Center

Susan and Dick Russell; James Trager

Conservation

A Nearby Natural Wonder

Since 1980, Shaw Nature Reserve has focused on native habitat management and restoration: prescribed burning, correctly timed field mowing, selective thinning of woodlands, judicious use of herbicides for invasive species control, plant diversity enhancement, and reconstruction "from scratch" of prairies and wetlands. As a result, SNR is able to offer 14 miles of hiking trails through a diversity of Ozark Border landscapes, including floodplain forest, upland woods, dolomite glades, tallgrass prairie, oak-hickory woodlands and savannas, and wetlands. Restoration of these habitats provides the Reserve's visitors a uniquely varied experience of Missouri's rich biological heritage.

Connection

Evening Prairie Walk & Dinner – SNR

Enjoy the beauty of the tallgrass prairie and learn about the fascinating wildflowers and grasses that once covered a third of Missouri. Join our knowledgeable guides on this one-mile walk along the prairie trail when the grasses are tall and the asters and sunflowers are at their showiest. Travel to and from the prairie on the Wilderness Wagon, and enjoy a meal, beverages and good conversation at the Trailhouse.

Saturday, September 18

5 to 7:30 p.m.

\$25 members; \$30 nonmembers

SNR Visitors Center

John Behrer and James Trager

Prairie Day – SNR

Take a naturalist-led hike through the tallgrass prairie to check out the sod house and teepee. Visit a buffalo hunter, a blacksmith, or numerous other re-enactors and crafters. Try your hand at candle-making, quilting, tomahawk throwing, carving, flintknapping, or listen to ole-time music. See the live animals on display and maybe even get to hold one. If you get hungry, try a bison burger or some homemade baked goods. Sponsored by Shaw Nature Reserve and the Missouri Department of Conservation.

Saturday, September 25

10 a.m. to 4 p.m.

\$3 members; \$5 nonmembers (\$1 for children ages 12 and younger)

SNR Staff & MDC Staff

Don't Kill Your Perennials Walk – 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 (Missouri Botanical Garden Kemper Center Supervisor) 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 first-hand how to take care of perennials from one of our area's top perennial experts.

Monday, September 27

5 to 7 p.m.

\$25 members; \$32 nonmembers

Meet at Kemper Center for Home Gardening

June Hutson

Fall Native Plants Walk – MBG

Fall is a fantastic time of the year to see native plants in the Garden. Join Alan Stentz as he continues his series of walks through the Garden sharing fascinating facts about native plants. He will highlight shrubs, trees, and ornamental grasses which boast fall and winter interest, making them a great addition to any garden.

Tuesday, September 28

5 to 6:45 p.m.

\$25 members; \$32 nonmembers

Meet at Kemper Center for Home Gardening

Alan Stentz

Trees of the Shaw

Nature Reserve – SNR

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. During this 3-mile hike, we will also search out some of the giant trees of the Reserve and less known species of small trees.

Saturday, October 2

9 a.m. to noon

\$16 members; \$20 nonmembers

SNR Visitors Center

James Trager

Rain Gardens Talk

& Walk – MBG

Rain gardens are fast becoming a popular way to help alleviate the problems of storm water runoff and wet soil areas on your property. Learn what a rain garden is and how to implement the design into your landscape. An in-depth discussion of plants and installation techniques will be covered. You will also see the newly installed bioswale in the Garden's redesigned environmentally friendly parking lot.

Saturday, October 9

9 to 11 a.m.

\$25 members; \$32 nonmembers

Ridgway Center – Garden Room

Cindy Gilberg

Behind the Scenes: Ottoman

Garden Walk – MBG

Come visit the Ottoman Garden, the first of its kind in the United States. This behind-the-scenes tour with Senior Horticulturist Jason Delaney will give you the inside scoop on the planning, construction, and establishment of this intriguing and unique garden. Learn about the current plants and future growth of the garden as an interpretation of the Turkish style of the 17th and 18th century filled with fountains and artifacts.

Tuesday, October 5

1 to 2 p.m.

\$20 members; \$25 nonmembers

Ridgway Center – Meet at Ticket Counter

Jason Delaney

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.

Thursday, October 21 OR

Tuesday, October 26

4 to 6 p.m.

\$25 members; \$32 nonmembers

Ridgway Center – Meet at Ticket Counter

Greg Cadice

Meramec River

Rendezvous – SNR

Ride our "Large Barge" to the Maritz Trail House then walk to the gravel bar, where awaiting us will be a campfire, wine, cheese, and perhaps a marshmallow or two for roasting. Entertainment might take the form of music, stories and/or river trivia. We will take a slow walk back to the Trail House with frequent stops to listen to the night sounds. Bring flashlights and be prepared to walk one mile up and down hills on uneven terrain.

Friday, October 22

7:30 to 10 p.m.

\$20 members; \$25 nonmembers

SNR Visitor Center

SNR staff & volunteers

Japanese Maple Walk – MBG

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

Saturday, October 30

9 to 11 a.m.

\$25 members; \$32 nonmembers

Kemper Center Classroom

Teresa Pafford

Conservation

Wildlife Havens

Shaw Nature Reserve's woodland and bottomland forest – boasting spectacular oak, hickory, sycamore, and elm trees, rolling hills, valleys, and meandering streams – are home to a diversity of wildlife. White-tailed deer, red and gray squirrels, and wild turkey are common animals of the upland forest since they feed on acorns and hickory nuts. Woodchucks and cottontail rabbits are found in the border area of woods and meadows. Raccoons, opossums, and striped skunk are also members of this community, but seldom seen because of their nocturnal habits.

The varied topography and great diversity of trees, spring wildflowers, and animal life make this area popular with both the serious nature student and those who simply enjoy an outing in a beautiful, quiet and inspiring natural area.

Connection

Valentine's Night Hike – SNR

Bundle up and spend the evening under the stars with your sweetheart, friends, or adult family members! Use your senses to enjoy the wonders of a crisp, cool but invigorating Nature Reserve winter night. You will have the opportunity to see the constellations and planets using our telescope. 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 12

7 to 10 p.m.

\$24 members; \$30 nonmembers

Adlyne Freund Center

SNR staff and volunteers

ADULT CLASSES: ARTS & CRAFTS

PHOTOGRAPHY

After the Click: Digital

Photography Workflow – SNR

A one-day intensive workshop in Adobe Lightroom that teaches a complete end-to-end workflow for digital photographers, with emphasis on nature photographers. The workflow covers everything “after the click,” including storing, organizing, sorting, tagging, developing, and outputting to web and print. Learn how to spend less time in front of the computer and more time behind the camera. Light breakfast, lunch and beverages included. List of what to bring sent prior to workshop.

Saturday, September 11

8 a.m. to 5 p.m.

\$80 members; \$100 nonmembers

Carriage House

Jeff Hirsch

Daytime Basic

Photography – MBG

Improve your photography skills by learning the key functions of your camera and how to best use them to create unique and stunning images. Throughout this multi-session, hands-on class, we will spend time on composition, lighting, aperture, shutter speed and ISO settings in the classroom and then apply them in the field while exploring the Garden. Appropriate for both novice and intermediate students. Participants should bring a 35mm or SLR camera (either film or digital) to the classes.

5 Tuesdays: September 14, 21, 28;

October 5, 12

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

\$170 members; \$215 nonmembers

Kemper Center Classroom

Scott Avetta

Seeing Creatively:

Intermediate

Photography – MBG

In this multi-session, hands-on course, you will have the opportunity to develop the skills of a professional photographer. You will learn about perspective and creativity through lectures and an expert-led, exclusive Garden photo shoot. We will discuss going beyond just documenting the subject. Participants should know the basic functions of a

35mm system. The use of a tripod is highly recommended.

3 Mondays: September 20, 27, October 4
7 to 9 p.m.

AND

Photo shoot: Sunday, September 26

7 to 11 a.m.

\$125 members; \$156 nonmembers

Ridgway Center – Missouri Room

Scott Avetta

Basic Photography – MBG

In this multi-session, hands-on course you will have the opportunity to develop the skills of an expert 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 and leads up to an exclusive photo shoot at the Garden. The course will be appropriate for both novice and intermediate students. Participants should bring a 35mm or SLR camera (either film or digital) to the first session.

6 Wednesdays: September 22, 29;

October 6, 13, 20, 27

7 to 9 p.m.

AND

Photo shoot: Sunday, October 10

7 to 11 a.m.

\$170 members; \$215 nonmembers

Ridgway Center – Botanical Room

Scott Avetta

Landscape and Waterscape

Photography – MBG

This six-part class will include four classroom sessions, two hands-on field shoots in the Garden, and a professional critique/review. During this class we will discuss how to improve your waterscape/landscape by use of lighting, composition, lens choice and filters. We will discuss mergers, light traps, balance, and open and closed landscapes. Participants should have a 35mm camera and a tripod.

4 Mondays: October 11, 18, 25; November 1

7 to 9 p.m.

AND

2 photo shoots: Sunday, October 17 and 24

7 to 11 a.m.

\$170 members; \$215 nonmembers

Ridgway Center – Missouri Room

Scott Avetta

Daytime Close-up

Photography – MBG

In this intermediate four-session course featuring photoshoots in the Garden, we will discuss subject selection and explore many possibilities for dramatic results using a 35mm camera. Learn how to maximize your equipment and to utilize other close-up options (close-up rings, extension tubes, etc. not needed for class) 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 releases is highly recommended. You do not need a macro lens for this class.

4 Tuesdays: October 19, 26; November 2, 9

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

\$150 members; \$188 nonmembers

Kemper Center Classroom

Scott Avetta

Developing Your Own

Unique Photographic

Style – Overnight – SNR

For those currently developing a portfolio of their work. Learn how to develop a unique and distinctive style through review and critique during this overnight class. After shooting sessions at the Reserve, you will be immersed in what makes good, great, and incredible images. Meals included. Dormitory accommodations in historic log lodges. For adults with middle to advanced levels of photographic knowledge. List of what to bring sent prior to workshop.

Saturday, October 30 to Sunday, October 31

9 a.m. (Saturday) to 3 p.m. (Sunday)

\$200 members; \$250 nonmembers

Dana Brown Overnight Center

Stewart D. Halperin

Exploring Watercolor – MBG

Take time to have some creative fun and explore the dynamic, expressive world of watercolor inspired by the beauty of the Garden. Through group and individual instruction, Judy will demonstrate classic watercolor techniques and tricks for creating impressive paintings. Topics covered will include applying a wash, working wet on wet, paint-to-water ratio, textures, and mixing color. Beginning and experienced students will find this an inspiring journey into creativity. All levels welcome.

5 Mondays: September 13, 20, 27;
October 4, 11
6:30–9 p.m.
\$110 members; \$138 nonmembers
Ridgway Center – Botanical Room
Judy Seyfert

The Garden in Watercolor – MBG

Capture the beauty of the Garden in watercolor while you learn new techniques and composition skills. Through demonstrations and critiques, you will receive individual and group instruction. Beginning and advanced students are welcome.

8 Tuesdays: September 14, 21, 28; October 5,
12, 19, 26; November 2
9:30 a.m. to noon
\$170 members; \$215 nonmembers
Ridgway Center – 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 eight-session class, you'll learn to see and sketch what you see 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 plants in the classroom.

8 Wednesdays: September 15, 22, 29,
October 6, 13, 20, 27; November 3
9:30 a.m. to noon
\$170 members; \$215 nonmembers
Kemper Center Classroom
Jaclyn Lawson

Watercolor: Painting with An Artist's Eye – MBG

It is never enough to just copy the images around us. To make a painting have impact, artists must enhance the ordinary to make it extraordinary. Through design and expressive use of color, Judy will show you how to open your "artist's eye" to visualize possibilities and creative interpretations in your own artwork. This class is intended for artists of all levels who have some experience in watercolor and will focus beyond the basic skills.

8 Fridays: September 17, 24; October 1, 8, 15,
22, 29; November 5
9:30 a.m. to noon
\$170 members; \$215 nonmembers
Kemper Center Classroom
Judy Seyfert

Botanical Painting: Autumn Leaf – MBG

Autumn leaves in deep golds and fiery reds will be the subject of this three-session botanical class. You will learn about the structure and function of leaves and the important characteristics to include in a botanical painting. In this three-day intensive workshop you will create a contour drawing and a finished painting of an autumn leaf. Traditional watercolor techniques will be taught including flat wash, graded wash, and dry brush. This class is being taught by Marilyn Garber, founder of the Minnesota School of Botanical Art. No experience is necessary. Space is limited. Please register by September 10. No refunds after this date.

Thursday, October 28; Friday, October 29; and
Saturday, October 30
9 a.m. to 4 p.m.
\$240 members; \$300 nonmembers
Monsanto Center – 1st Floor Lecture Room
Marilyn Garber

Conservation

Botanical Illustrations

Rich in history, the basic purpose of botanical illustrations has always been to assist people – botanists, physicians, naturalists, and avid gardeners – in plant identification. Precise descriptions play a critical role in helping list and describe the world's plant species – a goal towards which the Missouri Botanical Garden and others are still diligently working. To date, science has identified nearly 400,000 plant species, but many more have yet to be discovered. Worldwide, scientists estimate that 50,000 species of plants – one in six – still await discovery. In the United States alone, one in twenty remain to be scientifically described. Each year, Garden botanists describe approximately 200 new plant species in the U.S. and around the world.

Connection

Interpreting the Landscape in Watercolor – MBG

Wherever you look in nature, there is a landscape just waiting to be painted – which can be overwhelming to any artist! Participants will learn to simplify, edit, and design their own paintings. Some of the topics will include painting landforms such as rocks and mountains, atmospheric skies, and water such as lakes and rivers. This is a studio painting class. Basic watercolor techniques will be covered in the first class. All levels welcome.

6 Saturdays: October 23, 30; November 6, 13,
20; December 4 (No class on November 27)
9:30 a.m. to noon
\$135 members; \$170 nonmembers
Ridgway Center – Garden Room
Judy Seyfert

PAINTING & DRAWING (CONTINUED)

Botanical Drawing – MBG

Capture and celebrate plants through drawing and close-up discovery. You can do it! Learn the fundamental skills of botanical drawing through careful observation and realistic drawing in graphite pencil. You will discover how to start, to shade, and to use your pencils. This class begins your trek to draw the botanical world.

6 Mondays: [November 1, 8, 15, 22, 29, December 6](#)

1 to 3:30 p.m.

\$130 members; \$165 nonmembers

Ridgway Center – Garden Room

Patricia Wittman

Watercolor Rescue – MBG

Lost interest and feeling uninspired about your art in the cold of winter? Are you in an “artistic slump”? Let the Garden awaken and inspire you once again. This is a unique, four-session class for watercolor artists to engage in a little nature-inspired “art therapy” to jump start your creativity. It's 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 levels who have some watercolor experience.

4 Fridays: [January 14, 21, 28; February 4](#)

10 a.m. to 1 p.m.

\$102 members; \$128 nonmembers

Ridgway Center – Missouri Room

Judy Seyfert

BOTANICAL CRAFTS

Knitted Market Bag – MBG

Make a reusable knitted market bag just in time for the fall shopping season and reduce your impact on the environment. Suzanne will teach you the basic knit and purl stitches, how to pick up stitches and do yarn overs, plus read a pattern. With her troubleshooting expertise, you will complete your bag and have the confidence to make other projects. For experienced knitters, you can knit along at your own pace with help at hand.

3 Tuesdays: [September 14, 21, 28](#)

7 to 9 p.m.

\$75 members; \$95 nonmembers

Kemper Center Classroom

Suzanne Hirth

Nature Knitters: Seed

Stitch 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 the company of other knitters.

[Saturday, September 18](#)

9 to 11 a.m.

\$25 members; \$32 nonmembers

Meet in Kemper Center for Home Gardening

Suzanne Hirth

Silver Leaf Pendant – MBG

Transform a garden leaf into a beautiful pure silver pendant. This wearable piece of nature is accomplished using the paste form of precious metal clay. Instructor Claire Taylor will guide you in applying this unique paste to a real leaf from the Garden. After instructor firing in class, you will finish your piece to wear home. No experience needed. Materials include enough silver clay for you to make one to three pendants depending upon size. Please bring a sack lunch. All other materials supplied.

[Saturday, September 25](#)

10 a.m. to 2 p.m.

\$65 members; \$82 nonmembers

Kemper Center Classroom

Claire Taylor

Market Basket – MBG

Join us in weaving this functional market basket to keep handy as an alternative to plastic bags. This sturdy basket features a filled bottom and swing handle. Considered a beginner's basket, but also would make a great basket for those that haven't woven for a while. This basket incorporates several reed sizes, along with basic weaving techniques. Weaving materials supplied.

[Saturday, October 9](#)

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

\$60 members; \$75 nonmembers

Kemper Center Classroom

Stephanie Arnold

Garden Crocheting Circle:

Lacy Scarf – MBG

In the beautiful and inspiring natural surrounds of the Garden, enjoy a morning learning session to crochet a lacy, plant-inspired 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 crochet away the morning in the company of fellow crafters.

[Saturday, October 9](#)

9 to 11 a.m.

\$25 members; \$32 nonmembers

Meet in Kemper Center for Home Gardening

Suzanne Hirth

Autumnal Wreath

Making – MBG

Learn the basic techniques used in making dried wreaths while creating a stunning fall wreath for use indoors or outside. Carol will show you the various techniques used in attaching materials to a grapevine wreath, such as wiring, hot gluing, using florist tape, and bow-making. Using these techniques, you will create your own wreath to take home or give as a gift. All materials supplied. Feel free to bring any special items you have to include on your wreath. Even if you've taken Carol's class before, you are welcome to attend again as her materials and ideas are always fresh and new!

[Wednesday, November 3](#)

7 to 9 p.m.

\$40 members; \$50 nonmembers

Ridgway Center – Botanical Room

Carol Valenta

BOTANICAL CRAFTS (CONTINUED)

Amigurumi: Bumblebee – MBG

Inspired by the Japanese Festival, Suzanne will teach you how to make Amigurumi – the Japanese art of crocheting little stuffed animals. In this fun, hands-on, two-session class, you will learn to crochet the body parts of a bumblebee (one of our favorite plant pollinators!) and follow the pattern. In the second class, you will stuff and finish the bee to take home or give as a one-of-a-kind gift.

2 Wednesdays – [November 3, 10](#)

7 to 9 p.m.

\$55 members; \$70 nonmembers

Ridgway Center – Garden Room

Suzanne Hirth

Mosaic Mirror Workshop – MBG

In this two-session class, learn mosaic techniques that have been in practice for centuries using recycled glass from a stained glass shop. Create your own beautiful eco-friendly, one-of-a-kind mosaic mirror! Use the colors and design of your choice to make a 10x12 inch work of art especially for your home or to give as a gift.

2 Thursdays – [November 4, 11](#)

7 to 9 p.m.

\$65 members; \$82 nonmembers

Ridgway Center – Missouri Room

Julie Day

Hungarian Embroidery: Roses – MBG

Experience the colorful rose flowers, folk art, and fine detail of Hungarian plant embroidery making a lovely sample in this hands-on workshop. The style of embroidery Ilona learned is known as Kalocsai embroidery, which originated in and around the city of Kalocsa, in south-central Hungary. She will show you how to use the centuries-old techniques, including a chain stitch, satin stitch, and more. The beauty of these techniques is that the completed textile is finished on both sides. All supplies included. Please bring a pair of small scissors if you have them.

[Saturday, November 6](#)

9 a.m. to noon

\$53 members; \$66 nonmembers

Ridgway Center – Botanical Room

Ilona Cooper

Majolica Plant Labels – MBG

Make the perfect personalized gardening gift for a loved one or yourself. In this hands-on workshop, we will explore the centuries-old majolica technique of painting brilliant colors over a white background glaze on terra-cotta plant labels. We will provide you with four blank tags and the glaze materials. Fired pieces will be ready for pickup at the Kemper Center on November 29. Registration closes on November 1.

[Wednesday, November 10](#)

7 to 9 p.m.

\$35 members; \$45 nonmembers

Ridgway Center – Missouri Room

Mary Henderson

Holiday Gourd Basket – MBG

You will prepare a basic gourd serving bowl and trim it with natural materials with a holiday flair. Patterns will be provided for you to transfer onto the outside of the gourd to paint or woodburn. You may bring your own woodburner and/or paints and brushes. Some will be provided. Handouts will include suggestions on sealing and finishing your piece at home.

[Saturday, November 13](#)

2:30 to 4:30 p.m.

\$40 members; \$50 nonmembers

Ridgway Center – Botanical Room

Lynne Slacke

Silver Holiday Pendant – MBG

Using precious metal clay in paste and clay form, you will design your own holiday pendant. Claire will review capturing leaves in silver as you choose between holly or poinsettia leaves. Combine your leaf with a cut or stamped focal point and make a one-of-a-kind pendant to keep or give as a gift. Stamps are available to share or bring your own. All other materials provided to make one pendant. Please bring a sack lunch.

[Saturday, November 20](#)

10 a.m. to 5 p.m.

\$120 members; \$150 nonmembers

Kemper Center Classroom

Claire Taylor

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 1](#)

OR [Thursday, December 2](#)

6:30 to 9 p.m.

\$28 members; \$35 nonmembers

Adlyne Freund Center

SNR staff

Garden in Glass – MBG

Terrariums make great holiday gifts for family and friends. Create a miniature landscape in a glass container in this hands-on class. Scale, balance, and visual focal points will be addressed. Glassware, soil, and several tropical plants will be provided. Bring your favorite small stones and ornaments to personalize your project. Once you've made the first one, you can't stop there!

[Wednesday, December 8](#)

7 to 9 p.m.

\$45 members; \$57 nonmembers

Ridgway Center – Botanical Room

Mark Zigrang

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.

[Friday, December 10](#)

10 a.m. to noon

\$45 members; \$57 nonmembers

OR

[Saturday, December 11](#)

10 a.m. to noon

\$45 members; \$57 nonmembers

Ridgway Center – Jordan Education Wing

MBG Staff

BOTANICAL CRAFTS (CONTINUED)

Holiday Card Basket – MBG

Join us for the opportunity to learn a new plant-inspired craft in this hands-on class. Basket weaving is not only therapeutic, but the end result gives you a useful basket for your home! We will be making a basket that can either hang on the wall or sit on a table – perfect for holding holiday cards. This class will introduce many basic basket weaving techniques including: preparing the weaving material, start-stop weaving, and fitting and lashing a rim row. All supplies included.

Saturday, December 11

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

\$55 members; \$70 nonmembers

Kemper Center Classroom

Stephanie Arnold

Basket Making

Overnight – SNR

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 7 to Saturday, January 8

7 p.m. (Friday) to 3 p.m. (Saturday)

\$72 members; \$90 nonmembers

Dana Brown Overnight Center

Linda Brown

Introduction to Herbal

Soap Making – SNR

Learn how to make your own cold-processed 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 22

9 a.m. to noon

\$20 members; \$25 nonmembers

Adlyne Freund Center

Kathleen (Kitty) Schmidt

ADULT CLASSES: FOOD & COOKING

PLANT-INSPIRED MEALS & IDEAS

Post-Harvest Herbs: Enjoy Your Garden's Bounty! – MBG

The St. Louis Herb Society offers an interactive class with a bit of the practical, the whimsical, and the delicious ways to enjoy your garden's bounty after harvest and through the winter. Learn to cook beyond pesto to save the green, see how to press flowers and discover their many uses, and then learn the best techniques to dry herbs for winter use.

Monday, September 27

9:30 a.m. to noon

\$35 members; \$45 nonmembers

Kemper Center Classroom

St. Louis Herb Society

Sweet as Honey – MBG

Sample a variety of dishes using honey and “bee” blown away with the flavor and variety you can create with this simple natural sweetener. From ginger honey salad dressing to blondies to refreshing drinks like mint tea, you are sure to find a new favorite. A local beekeeper will be on hand to answer common questions as you sample treats made possible by these prolific pollinators!

Wednesday, September 29

7 to 9 p.m.

\$35 members; \$45 nonmembers

Kemper Center Classroom

Lana Shepek

Under Wraps – MBG

Just in time for fall season, Vicki will cover locally grown vegetables and fruits from appetizer to dessert. She will make a summer roll for the salad to go, beautiful butternut squash ravioli, eggplant involtini, and for dessert – a seasonal fruit Napoleon.

Wednesday, October 13

7 to 9 p.m.

\$35 members; \$45 nonmembers

Kemper Center Classroom

Vicki Bensinger

Conservation

Pollinators

Have you thanked a pollinator lately? These hard-working animals help pollinate over 75 percent of our flowering plants, and nearly 75 percent of our crops. Often we may not notice the hummingbirds, bats, bees, beetles, butterflies, and flies that carry pollen from one plant to another as they collect nectar. Yet without them, wildlife would have fewer nutritious berries and seeds, and we would miss many fruits, vegetables, and nuts, like blueberries, squash, and almonds . . . not to mention chocolate and coffee . . . all of which depend on pollinators.

Connection

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. Designed for adults only.

Tuesday, October 26

7 to 9:30 p.m.

\$35 member, \$45 nonmember

Kemper Classroom

Linda Whitten and Glenn Kopp

PLANT-INSPIRED MEALS & IDEAS (CONTINUED)

Eating Lower on the Food Chain: A Study in Culinary & Environmental Choices – MBG

Every time we sit down to eat, we make choices regarding our health and our personal 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!”

Monday, December 6

6:30 to 8:30 p.m.

\$32 members; \$40 nonmembers

Kemper Center Classroom

Katy Mike Smaistrila with special guests

CHOCOLATE

Kakao Candy Making – MBG

Here's a sweet way to learn about and celebrate the cocoa bean plant! Creamy pumpkin marshmallow spread, chewy caramel, and brittle... what could be more delicious, or more fun? Brian Pelletier, chief chocolatier at Kakao Chocolate, will share his chocolate knowledge and candy-making 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.

Wednesday, October 27

7 to 9 p.m.

\$35 members; \$45 nonmembers

Kemper Center Classroom

Brian Pelletier

Chocolate Relaxation – 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.

Wednesday, November 3

7 to 9 p.m.

\$35 members; \$45 nonmembers

Ridgway Center – Missouri Room

Kim Petzing and Brian Pelletier

Conservation

Chocolate

Did you know that “cacao” refers to the plant, while “cocoa” is the name for the beverage (made from the seeds of the cacao plant)? Cocoa was a stimulating drink for native inhabitants of the New World long before Europeans arrived. The Mayans thought that it had a divine origin. The Aztecs added red pepper and spices to their cocoa and then dissolved tablets of it in hot water. Its genus – *Theobroma* – means “food of the gods.” Cocoa became popular in Europe after the discovery of adding sugar. When the addition of milk became common, its popularity soared. It was all the rage by the mid-17th century, and the popularity of cocoa and chocolate continues to grow. Today, Garden botanists and conservationists are working in Ghana and tropical regions in South America to protect habitats in which cacao is grown and harvested.

Connection

Making Truffles – MBG

Learn to make luscious chocolate truffles, the perfect treat your holiday guests will remember. D'Aun will share how to make the ganache center from chocolate, cream, butter, and high quality liquors. Learn this art through this hands-on workshop plus learn interesting facts about how cocoa is grown and harvested, as well as fair trade options. All materials supplied. Please bring an apron and a small box to take home samples.

Tuesday, November 9

7 to 9 p.m.

\$40 members; \$50 nonmembers

Kemper Center Classroom

D'Aun Carrell



Missouri Wines: A Closer Look – MBG

You will be thrilled to discover (or rediscover) the wonderful world of fine Missouri wine. Join Jennifer Johnson, C.S.W., to explore Missouri's major grape varieties and wine styles – from dry to sweet – including Chardonnay, Seyval Blanc, Traminette, Vidal Blanc, Vignoles, Norton/Cynthiana, and Chambourcin.

Wednesday, September 22
7 to 9 p.m.
\$40 members; \$50 nonmembers
Kemper Center Classroom
Jennifer Johnson

Brew It Yourself – MBG

Taking the “DIY” vibe of the urban homesteading movement a step further, the EarthWays Center is proud to offer its first home brewing class! Learn how to “Brew Your Own” with local experts from a city with a rich brewery 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.

Monday, January 17
6:30 to 8 p.m.
\$24 members; \$30 nonmembers
Kemper Center Classroom
Katy Mike Smaistrla with special guests

CULTURAL INSPIRATIONS

Making Sushi – MBG

Did you enjoy sushi at the Japanese Festival and now want to make it? Here is your chance in just two and half 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 15
7 to 9 p.m.
\$40 members; \$50 nonmembers
Kemper Center Classroom
Vicki Bensinger

Ecuadorian Cuisine:

Spices & Stories – MBG

Carmen Ulloa grew up in Ecuador's capital city, Quito, in the heart of the Andes Mountains. She is a scientist at the Missouri Botanical Garden, and when not collecting plants in the field, she thoroughly enjoys cooking. In this class, Carmen will feature tropical American plant ingredients and spices with fascinating stories about their culinary history. Carmen will make yucca buns, shrimp ceviche (this is a cooked version, featured on NPR's Dr. Zorba Paster “On Your Health”), quinoa filled peppers, potato cakes with peanut sauce, easy guava empanadas and exotic sour sop smoothie. Join us to learn about and sample these Ecuadorian dishes. A vegetarian version of ceviche will be included for a totally meatless dinner.

Saturday, September 18
10 a.m. to noon
\$35 members; \$45 nonmembers
Kemper Center Classroom
Carmen Ulloa

Hungarian Goulash – MBG

Ilona Kiss Cooper grew up in the small farming village of Tornaszentjakab in northern Hungary. The traditional Hungarian dishes her mother taught her to make, such as gulyásleves (goulash) and palacsinta (Hungarian-style crêpes), used ingredients her parents grew right on their farm, including paprika, walnuts, and apricots (for making a thick jam). In this class, Ilona will make authentic Hungarian goulash and dumplings accompanied with a vegetable salad, Ecetes Savanyusag. For dessert, her Hungarian-style crêpes are to die for. Join us to sample these Hungarian classics.

Sunday, November 14
1 to 3 p.m.
\$35 members; \$45 nonmembers
Kemper Center Classroom
Ilona Cooper

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!

Wednesday, December 8
10 a.m. to noon
\$35 members; \$45 nonmembers
Kemper Center Classroom
Jane Muscroft

Conservation

Biodiversity

Did you know that 70 percent of the world's biodiversity – all species on Earth – occurs in only 12 countries? Australia, Brazil, China, Colombia, Costa Rica, Ecuador, India, Indonesia, Madagascar, Mexico, Peru, and the Democratic Republic of Congo. And a sixth of all plant species occur in just three countries – Colombia, Ecuador, and Peru – an area one-third the size of the U.S. The Missouri Botanical Garden is at work in many of these regions, with field botanists and conservation experts working to identify at-risk plants, train local people as botanists and help entire communities sustainably co-exist with nature.

Connection

ADULT CLASSES: GREEN LIVING

WORKSHOPS

Rain Barrel Workshop – EWC

Discover the benefits of having a rain barrel at your home. Members of the River des Peres Watershed Coalition will conduct a brief introductory discussion on placement, construction, and other considerations, followed by a hands-on session where participants will make their own barrel to take home! Cost for class is cost/barrel constructed.

Thursday, September 9

6:30 to 8 p.m.

The Green Center – Classroom

OR

Saturday, October 2

3 to 4:30 p.m.

EarthWays Center Conference Room

\$50 members; \$62 nonmembers

Kim Petzing and members of the River des Peres Watershed Coalition

Composting

Expanded – Part I:

Vermicomposting – EWC

Already have an outdoor bin? No space to compost inside? Tired of just throwing out all of those food scraps? Consider composting in a more creative way! This fall, we will explore alternative composting systems: vermicomposting and bokashi. For this workshop, we'll dig deeper to learn about vermicomposting, in which worms process your food scraps to produce a natural fertilizer and soil conditioner that your houseplants will love. Each registered participant will make their own unique bin to take home during this hands-on learning workshop.

Monday, September 13

6:30 to 8 p.m.

\$45 members; \$55 nonmembers

EarthWays Center Classroom

Katy Mike Smaistrla

Planning Your New Green Home – No “Greenwashing” Allowed – EWC

Ready to build your dream home? Maximize your investment by building green! You will leave this intensive workshop an informed consumer of nationally established rating systems, able to apply eco-logic to your planning and construction processes, and avoid unsubstantiated green claims. Print resources cover many specific homebuilding elements. Pizza and beverages provided.

Wednesday, October 6 OR

Thursday, January 20

5:30–9 p.m.

\$20 members; \$25 nonmembers

EarthWays Center Conference Classroom

Jean Ponzi

Composting Expanded –

Part II: Bokashi – EWC

Already got an outdoor bin? No space to compost inside? Tired of just throwing out all of those food scraps? Consider composting in a more creative way! This fall, we will explore alternative composting systems: vermicomposting and bokashi. In this workshop, we'll learn about the space-saving bokashi system, in which effective microorganisms transform all kinds of kitchen waste into a nutrient-rich soil amendment. Each registered participant will make their own unique bin during this hands-on workshop.

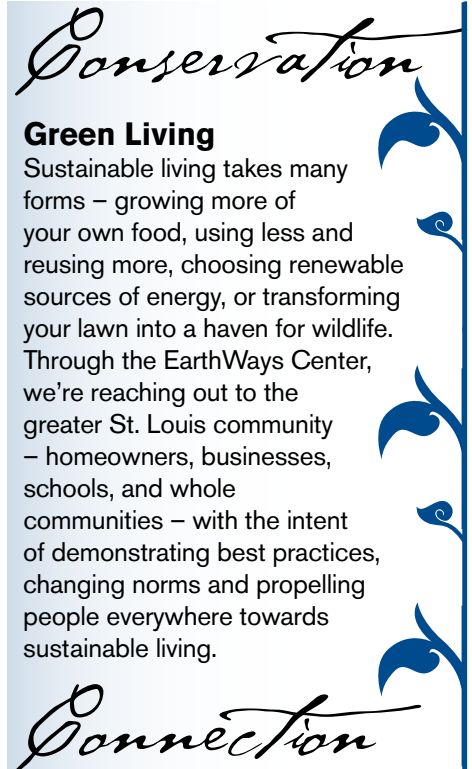
Monday, October 11

6:30 to 8 p.m.

\$45 members; \$55 nonmembers

EarthWays Center Conference Room

Katy Mike Smaistrla



Conservation

Green Living

Sustainable living takes many forms – growing more of your own food, using less and reusing more, choosing renewable sources of energy, or transforming your lawn into a haven for wildlife. Through the EarthWays Center, we're reaching out to the greater St. Louis community – homeowners, businesses, schools, and whole communities – with the intent of demonstrating best practices, changing norms and propelling people everywhere towards sustainable living.

Connection

Solar Power – A Missouri Reality! – MBG

Advances in technology and fiscal incentives are jump-starting local solar power applications. This expert presentation covers the “how” and “how much” of solar thermal and photovoltaic installations, illustrates the importance of investing in energy efficiency, and showcases the new solar electric system powering the Garden's electric vehicles.

Thursday, November 11

7 to 8:30 p.m.

\$16 members; \$20 nonmembers

Kemper Center Classroom

Experts from MicroGrid Energy

WORKSHOPS (CONTINUED)

The Chicken & the Egg – MBG

Interested in keeping a few chickens in the backyard? Join this introductory session on how to raise and care for chickens in urban and suburban environments while learning about the benefits of chickens, resources for coop building and hen selection, local ordinances, and more. And once you get your own setup started, are you wondering what you will do with all those eggs? We have the answer! During the second half of the class, Jane Muscroft will give us advice, ideas (and samples!) on what to do with all of the eggs your chickens produce.

Saturday, November 13

1 to 4 p.m.

\$40 members; \$50 nonmembers

Kemper Center Classroom

Julia Weese-Young and Jane Muscroft

Cashing in on Home

Comfort – EWC

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 four times, need only attend one.

Tuesday, November 16

Tuesday, December 14

Wednesday, January 12

Wednesday, February 23

6:30 to 8 p.m.

\$16 members; \$20 nonmembers

EarthWays Center Conference Room

Korey Hart

White Roofs/Green

Roofs – EWC

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.

Tuesday, January 18

6:30 to 8 p.m.

\$25 members; \$30 nonmembers

EarthWays Center Conference Room

Jill Miller and Kelly Luckett

TOURS & FIELD TRIPS

EarthWays Center Open House Public Tour Weekends – EWC

Learn about low-cost, sustainable living options by taking a guided tour of EarthWays Center – a Victorian home restored as a model of energy and resource efficiency. From repainting a room to rehabbing or building a new house – ideas abound! No reservations needed, however groups of adults or youth require advance booking.

Green Homes Festival Sneak Peak

During the September tours, beat the crowd before the EarthWays Center's largest event of the year – the Green Homes Festival! Select festival vendors and exhibitors will be on hand to give an advance preview of their goods and services. Enjoy children's activities and more.

Saturday, September 18 AND

Sunday, September 19

11 a.m. to 2 p.m.

Free for members; \$3 nonmembers

EarthWays Center

EWC staff and volunteers

Energy Awareness

Celebrate the USEPA's Energy Awareness Month as you visit the EarthWays Center in October. While there, familiarize yourself with the latest energy conservation gadgets and practices that you can use in your own home!

Saturday, October 16 AND

Sunday, October 17

11 a.m. to 2 p.m.

Free for members; \$3 nonmembers

EarthWays Center

EWC staff and volunteers

Celebrating a National Holiday: America Recycles Day

November 15 is “America Recycles Day” while November 18 is “Use Less Stuff Day.” Tour the EarthWays Center in November to revisit the 3-R's (reduce, reuse, recycle) and get new ideas on how you can make a difference. During the tour, some of the newest recycled products on the market will be on proud display.

Saturday, November 20 AND

Sunday, November 21

11 a.m. to 2 p.m.

Free for members; \$3 nonmembers

EarthWays Center

EWC staff and volunteers

Sustainability Staging: Your Home for the Holidays

Tour the EarthWays Center during December to see how the EarthWays staff has decorated the house with an eye for sustainability, and possibly borrow a few ideas from the demos and displays to use yourself. We won't mind!

Saturday, December 18 AND

Sunday, December 19

11 a.m. to 2 p.m.

Free for members; \$3 nonmembers

EarthWays Center

EWC staff and volunteers

Baby, It's Cold Outside!

During the January tours, learn how to reduce your winter heating bills with help from The Home Performance with ENERGY STAR Program. An efficient home can include much more than new windows and CFL light bulbs! Let the EarthWays staff and volunteers give you more ideas and suggestions to help you along your way to a high performance home!

Saturday, January 15 AND Sunday, January 16

11 a.m. to 2 p.m.

Free for members; \$3 nonmembers

EarthWays Center

EWC staff and volunteers

TOURS & FIELD TRIPS (CONTINUED)

Let the Sun Shine In!

During the February tours, discover more about the basics of solar energy and how it works, and kids can take unique pictures using a film process known as cyanography. Visitors will be invited to discover small-scale renewable energy options for their home including current and future technology, local resources, and more.

Saturday, February 19 AND

Sunday, February 20

11 a.m. to 2 p.m.

Free for members; \$3 nonmembers

EarthWays Center

EWC staff and volunteers

Field Trip: Where is “Away” – Leaving for the Landfill – EWC

In this popular adult outing, we'll take a trip to see where it actually goes when you throw your trash “away.” We'll tour a local landfill and see one of the biggest compost heaps in town. Morning munchies provided. Please arrive ready for your adventure, dressed for the weather in closed-toed shoes.

Saturday, October 23

8:30 to 11:30 a.m.

\$13 members; \$20 nonmembers

Meet at EarthWays Center Conference Room

Katy Mike Smaistrla

SPECIAL EVENTS

Special Social Event:

Habitat Build Day – EWC

Have you ever wanted to be a part of a “build”? Come out to meet new people and join EarthWays docents and Missouri Botanical Garden supporters as we volunteer together. Our combined efforts can make a difference! We will meet at the EarthWays Center, and participants will carpool to the field trip destination.

Saturday, September 11

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

\$5 members; \$8 nonmembers

Meet at EarthWays Center

Katy Mike Smaistrla and Habitat for Humanity staff and volunteers

EarthWays Center 5% Day at Whole Foods Markets

Whether you're stocking up or running a quick errand, stop at Whole Foods on Thursday, September 16, and 5% of your purchase amount will be donated to EarthWays Center! Throughout the day, staff and volunteers from EarthWays will present fun, hands-on resource conservation activities and recycled-material art activities for kids at both locations: Whole Foods Galleria store, 1601 S. Brentwood Blvd.; and Whole Foods Town & Country market, 1160 Town and Country Crossing Drive in Creve Coeur. Learn some green as you give some green to EarthWays Center on this special “5% Day” at Whole Foods.

Thursday, September 16

11 a.m. to 7 p.m.

Free

EWC staff and volunteers

Green Homes Festival – EWC

Hosted by the Missouri Botanical Garden's EarthWays Center and the Missouri Coalition for the Environment. Grandel Square, the urban home of the EarthWays Center, will become a Green Street Promenade of exhibitors, vendors, and children's activities. Expert workshops and demonstrations will cover topics including solar and wind energy, home and vehicle efficiency, urban farming, composting, and more.

Saturday, September 25

10 a.m. to 6 p.m.

Free

EarthWays Center & Grandel Square

EWC staff and volunteers



ADULT CLASSES: NATURE STUDY

Wildflower Identification

& 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 of wildflowers will increase their knowledge and appreciation of the rich floral diversity of Shaw Nature Reserve's woods, prairie, and wetland. Wear comfortable hiking clothes and have notebook in hand.

Saturday, August 21

5 to 7:30 p.m.

OR

Saturday, September 18

9:30 a.m. to noon

\$16 members; \$20 nonmembers

SNR Visitor Center

James Trager

Mushrooms: From

Backyard to Table – SNR

Through an open discussion of our personal experiences, a brief lecture followed by a session of collecting and identifying, participants will solve some of the mysteries surrounding fungi. Come dressed for the weather and moderate hiking. Bring a basket or container for collecting, and a mushroom from home to identify (optional).

Sunday, August 29

1 to 4 p.m.

\$16 members; \$20 nonmembers

Carriage House

Ken Gilberg

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. Field trips and class dates are subject to change.

6 Mondays: August 30, September 13,

October 11; November 1, 15, 29

7 to 9 p.m.

AND

6 field trips: Saturday, September 4; Sunday,

September 19; Saturday, October 16;

Sunday, November 7; Sunday, November

21; Saturday, December 4

7 a.m. to 2 p.m.

\$250 members; \$310 nonmembers

Ridgway Center – Garden Room

William Rowe

Geology of Missouri & Shaw

Nature Reserve – SNR

Learn about geologic forces that shaped Missouri including Shaw Nature Reserve in this non-technical, information-packed course. Learn about Missouri's diverse geographical areas, the mineral deposits that have impacted its economics, and the processes that contributed to our well-known status as "The Cave State." Adults only.

Saturday, October 9

9 a.m. to noon

\$16 members; \$20 nonmembers

SNR Visitor Center

Jeff Smith

Conservation

Birds

Birds are extraordinary in so many ways. Just think about their role in your own garden: They add color, liveliness, movement, and music. They provide a natural form of pest control by eating huge quantities of insects. They perform an essential service to plants by dispersing seeds over wide areas. Unfortunately, the loss or replacement of native vegetation to development, agriculture, and the introduction of exotic species has threatened many bird populations. Fortunately, your home landscape – with its combination of plants, open space, and structures – offers many parallels to natural bird habitat. The Missouri Botanical Garden demonstrates "bird gardening" for its visitors while also encouraging everyone to help create much-needed habitat for the region's local birds and migratory feathered friends.

Connection

Wild Edibles – SNR

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

Saturday, October 9

1 to 4 p.m.

\$16 members; \$20 nonmembers

Adlyne Freund Center

Catrina Adams

6th Annual Backyard Bird Festival

Details coming soon.

Visit www.mobot.org
to learn more.

Saturday, February 5, 2011



ADULT CLASSES: HEALTH & WELLNESS

Wednesday Walkers – SNR

Each Wednesday, sign in and pick up a trail assignment that will average 1 1/2 to 2 hours, allowing time to stop, look, listen and converse along the way. At the end of 9 weeks you will have hiked most of the trails, made new friends and strengthened your connection to nature. No reservations taken. Please pay each time on arrival. Adults only.

Wednesday mornings, [September 1 to October 27](#)

10 to 11:30 a.m.

\$1 members; \$4 nonmembers

SNR Visitor Center

SNR Staff

Tai Chi – MBG

Experience the harmony and vibrancy of nature while learning the gentle movements and breathing techniques of Tai Chi and Chi Gong during this five-session class. These ancient Chinese arts have been used for centuries to channel the body's inner force called "chi" to enhance vitality and promote self-healing. Practiced in the natural beauty of the Garden grounds, participants will develop a higher sense of awareness, relaxation, and inner vitality. Suitable for young and old alike. Please wear loose, comfortable clothing appropriate for the outdoors.

4 Sundays: [September 19, 26; October 10, 24](#)

10:30 a.m. to noon

AND

Wednesday, October 6

6:30 to 8 p.m.

\$94 members; \$118 nonmembers

Ridgway Center – Garden Room

Justin Meehan

It's Your Weekend

Overnight – SNR

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 offered. Accommodations are dormitory style in our historic log lodges. All meals provided. Optional: participate in felted mitten workshop and/or broom-making workshop. For adults (men and women).

[Saturday, November 13 to](#)

[Sunday, November 14](#)

9 a.m. (Saturday) to 11 a.m. (Sunday)

\$80 members; \$100 nonmembers

Dana Brown Overnight Center

Helen McCallie and SNR volunteers

Hiking with Rover – SNR

Take your favorite canine companion for a nice long walk led by SNR staff starting at Shaw Nature Reserve's Freund Center. This is a rare opportunity to spend time with your pooch at a natural area where dogs are normally not allowed. Your four-legged friend must be socialized (nice to all other dogs and people), remain on a 6-foot non-retractable leash at all times, and you must pick up and properly dispose of all waste. Pricing per person.

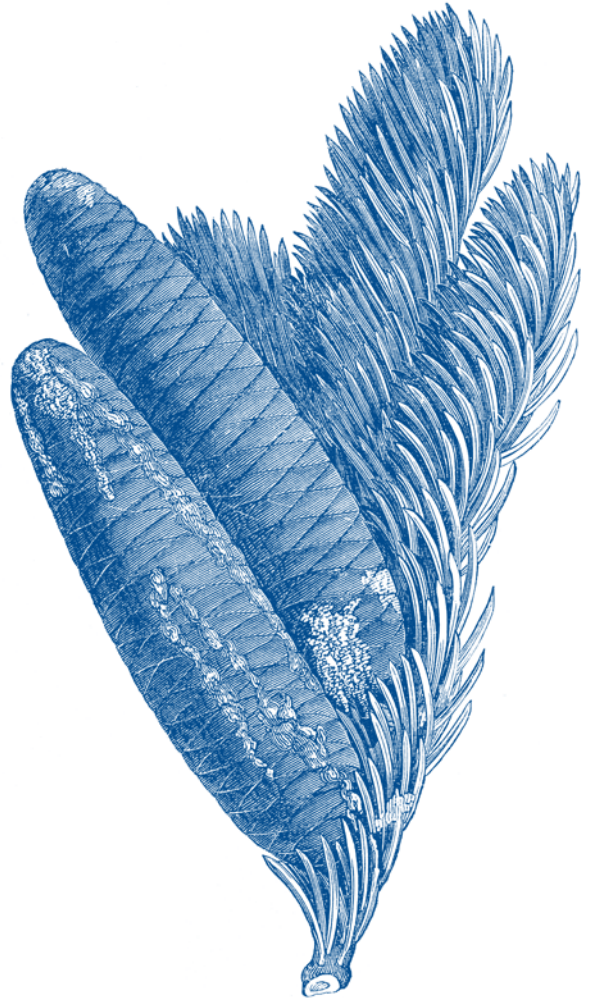
[Sunday, December 12](#)

2 to 4 p.m.

\$5 members; \$7 nonmembers

Adlyne Freund Center

Karen Bryan, Lydia Toth



CALENDAR

KEY:

| | |
|-----|---------------------------|
| BH | Butterfly House |
| EWC | EarthWays Center |
| MBG | Missouri Botanical Garden |
| SNR | Shaw Nature Reserve |

August 2010

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September 2010

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October 2010

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DAY DATE CLASS LOCATION PAGE

AUGUST

| | | | | |
|-----|------|--|-----|----|
| SUN | 8/1 | Wilderness Wagon Tours | SNR | 10 |
| SUN | 8/1 | Lunch Tour or Dinner Tour of Shaw Nature Reserve | SNR | 10 |
| SAT | 8/21 | Wildflower Identification & Ecology | SNR | 22 |
| SAT | 8/29 | Mushrooms: From Backyard to Table | SNR | 22 |
| MON | 8/30 | Birding II | MBG | 22 |

SEPTEMBER

| | | | | |
|-----|------|--|------|-------|
| WED | 9/1 | Wednesday Walkers | SNR | 23 |
| THU | 9/2 | Native Plant School: Prairie and Savanna Reconstruction Part 2: Seeding and Maintenance | SNR | 7 |
| FR | 9/3 | Native Plant School: Prairie and Savanna Reconstruction Part 2: Seeding and Maintenance | SNR | 7 |
| TUE | 9/7 | Little Acorns: Earthwalk | SNR | 3 |
| TUE | 9/7 | Fall Wildflower Rambles | SNR | 10 |
| TUE | 9/7 | Strollerobics – Tuesday Mornings | MBG | 3 |
| TUE | 9/7 | Strollerobics – Tuesday Evenings | MBG | 3 |
| WED | 9/8 | Strollerobics – Wednesday Mornings | MBG | 3 |
| THU | 9/9 | Rain Barrel Workshop | GC* | 19 |
| THU | 9/9 | Garden Buds: Last Stomp of the Dinosaurs | MBG | 3 |
| THU | 9/9 | Strollerobics – Thursday Mornings | MBG | 3 |
| THU | 9/9 | Organic Vegetable Garden: Fall & Spring | MBG | 9 |
| FRI | 9/10 | Strollerobics – Friday Mornings | MBG | 3 |
| FRI | 9/10 | Little House on the Prairie Overnight: Cooking & Crafts | SNR | 4 |
| SAT | 9/11 | After the Click: Digital Photography Workflow | SNR | 12 |
| SAT | 9/11 | All-Girls' Garden Party | MBG | 4 |
| SAT | 9/11 | Special Social Event: Habitat Build Day | EWC | 21 |
| SAT | 9/11 | Eco-Frugal Gardening | MBG | 7 |
| SUN | 9/12 | Green Parenting: Making a Sustainable Impact on Your Child's School | EWC | 5 |
| MON | 9/13 | Composting Expanded – Part I: Vermicomposting | EWC | 19 |
| MON | 9/13 | Little Sprouts: Fall Monday Series | MBG | 3 |
| MON | 9/13 | Exploring Watercolor | MBG | 13 |
| TUE | 9/14 | The Garden in Watercolor | MBG | 13 |
| TUE | 9/14 | Daytime Basic Photography | MBG | 12 |
| TUE | 9/14 | Knitted Market Bag | MBG | 14 |
| TUE | 9/14 | Little Sprouts: Fall Tuesday Series | MBG | 3 |
| TUE | 9/14 | Fall Wildflower Ramble | SNR | 10 |
| WED | 9/15 | Little Sprouts: Fall Wednesday Series | MBG | 3 |
| WED | 9/15 | Why Sketch? | MBG | 13 |
| WED | 9/15 | Greening Your Garden & Yard | MBG | 7 |
| WED | 9/15 | Making Sushi | MBG | 18 |
| THU | 9/16 | Grow Your Own Small Fruit | MBG | 9 |
| THU | 9/16 | EarthWays Center 5% Day at Whole Foods Markets | WF** | 4, 21 |
| FRI | 9/17 | Watercolor: Painting with An Artist's Eye | MBG | 13 |

DAY DATE CLASS LOCATION PAGE

| | | | | |
|-----|------|--|-----|-------|
| SAT | 9/18 | EarthWays Center Open House Public Tour Weekend – "Green Homes Festival Sneak Peek" | EWC | 20 |
| SAT | 9/18 | Great Green Adventures: Garden Apartments | MBG | 6 |
| SAT | 9/18 | Wildflower Identification & Ecology | SNR | 22 |
| SAT | 9/18 | Discover Nature – Families: Prairie Adventure | SNR | 6 |
| SAT | 9/18 | Evening Prairie Walk & Dinner | SNR | 10 |
| SAT | 9/18 | Nature Knitters: Seed Stitch Scarf | MBG | 14 |
| SAT | 9/18 | Ecuadorian Cuisine: Spices & Stories | MBG | 18 |
| SAT | 9/18 | Herb Garden Design | MBG | 9 |
| SUN | 9/19 | Tai Chi | MBG | 23 |
| SUN | 9/19 | EarthWays Center Open House Public Tour Weekend – "Green Homes Festival Sneak Peek" | EWC | 20 |
| SUN | 9/19 | Home Landscape Design | MBG | 9 |
| SUN | 9/19 | Buzz: Monarch Migration and Tagging | BH | 6 |
| MON | 9/20 | Seeing Creatively: Intermediate Photography | MBG | 12 |
| TUE | 9/21 | More About Seed: Seed Saving and Starting Seed | EWC | 7 |
| TUE | 9/21 | Fall Wildflower Ramble | SNR | 10 |
| WED | 9/22 | Growing Orchids | MBG | 8 |
| WED | 9/22 | Basic Photography | MBG | 12 |
| WED | 9/22 | Missouri Wines: A Closer Look | MBG | 18 |
| THU | 9/23 | Edibles in the Landscape | MBG | 9 |
| THU | 9/23 | Garden Buds: Under the Garden | MBG | 3 |
| SAT | 9/25 | Prairie Day | SNR | 4, 10 |
| SAT | 9/25 | Green Homes Festival | EWC | 4, 21 |
| SAT | 9/25 | Silver Leaf Pendant | MBG | 14 |
| MON | 9/27 | Post-Harvest Herbs: Enjoy Your Garden's Bounty! | MBG | 16 |
| MON | 9/27 | "Don't Kill Your Perennials" Walk | MBG | 10 |
| TUE | 9/28 | Fall Native Plants Walk | MBG | 10 |
| WED | 9/29 | Sweet as Honey | MBG | 17 |

OCTOBER

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|-----|-------|--|-----|----|
| SAT | 10/2 | Trees of the Shaw Nature Reserve | SNR | 11 |
| SAT | 10/2 | Rain Barrel Workshop | EWC | 19 |
| TUE | 10/5 | Little Acorns: The Unhuggables | SNR | 3 |
| TUE | 10/5 | Behind the Scenes: Ottoman Garden Walk | MBG | 11 |
| TUE | 10/5 | Orchids and Owls | BH | 6 |
| WED | 10/6 | Planning Your New Green Home – No "Greenwashing" Allowed! | EWC | 19 |
| SAT | 10/9 | Petals and Wings: Butterfly Gardening with Native Plants | BH | 8 |
| SAT | 10/9 | Fall Family Sleepover | MBG | 4 |
| SAT | 10/9 | Wild Edibles | SNR | 22 |
| SAT | 10/9 | Geology of Missouri & Shaw Nature Reserve | SNR | 22 |
| SAT | 10/9 | Market Basket | MBG | 14 |
| SAT | 10/9 | Garden Crocheting Circle: Lacy Scarf | MBG | 14 |
| SAT | 10/9 | Rain Gardens Talk & Walk | MBG | 11 |
| MON | 10/11 | Landscape and Waterscape Photography | MBG | 12 |

* The Green Center, 8025 Blackberry Ave.

** Whole Foods Market, Brentwood and Creve Coeur

CALENDAR

KEY:

| | |
|-----|---------------------------|
| BH | Butterfly House |
| EWC | EarthWays Center |
| MBG | Missouri Botanical Garden |
| SNR | Shaw Nature Reserve |

October 2010

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November 2010

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December 2010

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| DAY | DATE | CLASS | LOCATION | PAGE |
|-----|-------|---|----------|------|
| MON | 10/11 | Composting Expanded – Part II: Bokashi | EWC | 19 |
| TUE | 10/12 | Three Season Vegetable Gardening: Methods of Season Extension | EWC | 9 |
| TUE | 10/12 | Orchids and Owls | BH | 6 |
| WED | 10/13 | Under Wraps | MBG | 16 |
| WED | 10/13 | Putting Your Garden to Bed | MBG | 8 |
| THU | 10/14 | Native Plant School: Native Small Flowering Trees & Shrubs Part 3 | SNR | 7 |
| FRI | 10/15 | Native Plant School: Native Small Flowering Trees & Shrubs Part 3 | SNR | 7 |
| SAT | 10/16 | Great Green Adventures: Signs of Fall | MBG | 6 |
| SAT | 10/16 | Discover Nature – Families: Autumn Fun | SNR | 6 |
| SAT | 10/16 | EarthWays Center Open House Public Tour Weekend – “Energy Awareness” | EWC | 20 |
| SUN | 10/17 | EarthWays Center Open House Public Tour Weekend – “Energy Awareness” | EWC | 20 |
| TUE | 10/19 | Daytime Close-up Photography | MBG | 12 |
| TUE | 10/19 | Orchids and Owls | BH | 6 |
| WED | 10/20 | Pruning Basics | MBG | 8 |
| THU | 10/21 | Raised Garden | MBG | 9 |
| THU | 10/21 | Behind the Scenes: Japanese Garden | MBG | 11 |
| FRI | 10/22 | Meramec River Rendezvous | SNR | 11 |
| SAT | 10/23 | Field Trip: Where is “Away” – Leaving for the Landfill | EWC | 21 |
| SAT | 10/23 | Green Parenting: Fun in the Sun – Solar Energy for the Family | MBG | 5 |
| SAT | 10/23 | Interpreting the Landscape in Watercolor | MBG | 13 |
| SAT | 10/23 | Bootterflies | BH | 6 |
| SUN | 10/24 | Bootterflies | BH | 6 |
| TUE | 10/26 | Orchids and Owls | BH | 6 |
| TUE | 10/26 | Home Landscape Design | MBG | 9 |
| TUE | 10/26 | Behind the Scenes: Japanese Garden | MBG | 11 |
| TUE | 10/26 | Knife Skills | MBG | 16 |
| WED | 10/27 | Sweet Soils | MBG | 8 |
| WED | 10/27 | Kakao Candy Making | MBG | 17 |
| THU | 10/28 | Botanical Painting: Autumn Leaf | MBG | 13 |
| THU | 10/28 | Garden Buds: Beautiful Bamboo | MBG | 3 |
| SAT | 10/30 | Developing Your Own Unique Photographic Style | SNR | 12 |
| SAT | 10/30 | Japanese Maple Walk | MBG | 11 |

NOVEMBER

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|-----|------|--|-----|----|
| MON | 11/1 | Botanical Drawing | MBG | 14 |
| TUE | 11/2 | Little Acorns: Now You See Me, Now You Don't | SNR | 3 |
| TUE | 11/2 | Bugaloo: Nature's ABC's and 1-2-3's | BH | 6 |
| WED | 11/3 | Autumnal Wreath Making | MBG | 14 |
| WED | 11/3 | Amigurumi: Bumblebee | MBG | 15 |
| WED | 11/3 | Chocolate Relaxation | MBG | 17 |
| THU | 11/4 | Mosaic Mirror Workshop | MBG | 15 |
| THU | 11/4 | Garden Buds: Leaf Giants | MBG | 3 |
| SAT | 11/6 | Hungarian Embroidery: Roses | MBG | 15 |

| DAY | DATE | CLASS | LOCATION | PAGE |
|-----|-------|--|----------|------|
| SAT | 11/6 | Organic Vegetable Garden: Fall and Spring | MBG | 9 |
| TUE | 11/9 | Making Truffles | MBG | 17 |
| WED | 11/10 | Majolica Plant Labels | MBG | 15 |
| THU | 11/11 | Native Plant School: Natural Looking Paths and Patios Made with Stone and Concrete | SNR | 7 |
| THU | 11/11 | Solar Power – A Missouri Reality! | MBG | 19 |
| FRI | 11/12 | Native Plant School: Natural Looking Paths and Patios Made with Stone and Concrete | SNR | 7 |
| SAT | 11/13 | It's Your Weekend Overnight | SNR | 23 |
| SAT | 11/13 | Terrific Terrariums | MBG | 4 |
| SAT | 11/13 | The Chicken and the Egg | MBG | 20 |
| SAT | 11/13 | Holiday Gourd Basket | MBG | 15 |
| SUN | 11/14 | Hungarian Goulash | MBG | 18 |
| SUN | 11/14 | Bugaloo: Nature's ABC's and 1-2-3's | BH | 6 |
| MON | 11/15 | Little Sprouts: Winter Monday Series | MBG | 3 |
| TUE | 11/16 | Little Sprouts: Winter Tuesday Series | MBG | 3 |
| TUE | 11/16 | Cashing in on Home Comfort | EWC | 20 |
| THU | 11/18 | Garden Buds: Cheer for Chocolate | MBG | 3 |
| SAT | 11/20 | Great Green Adventures: Mums the Word | MBG | 6 |
| SAT | 11/20 | Silver Holiday Pendant | MBG | 15 |
| SAT | 11/20 | EarthWays Center Open House Public Tour Weekend – “Celebrating a National Holiday: America Recycles Day” | EWC | 20 |
| SUN | 11/21 | EarthWays Center Open House Public Tour Weekend – “Celebrating a National Holiday: America Recycles Day” | EWC | 20 |

DECEMBER

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| WED | 12/1 | Holiday Wreaths from Natural Materials | SNR | 15 |
| THU | 12/2 | Holiday Wreaths from Natural Materials | SNR | 15 |
| FRI | 12/3 | Holiday Decorating Overnight | SNR | 4 |
| SUN | 12/5 | Green Parenting: Green Gifting for the Holidays | EWC | 5 |
| MON | 12/6 | Eating Lower on the Food Chain: A Study in Culinary & Environmental Choices | MBG | 17 |
| TUE | 12/7 | A Wonderful Winter Garden | MBG | 9 |
| WED | 12/8 | Holiday English Tea | MBG | 18 |
| WED | 12/8 | Garden in Glass | MBG | 15 |
| THU | 12/9 | Garden Buds: Plants as Presents | MBG | 3 |
| FRI | 12/10 | Holiday Wreath Making – Friday | MBG | 15 |
| SAT | 12/11 | Holiday Card Basket | MBG | 16 |
| SAT | 12/11 | Holiday Wreath Making – Saturday | MBG | 15 |
| SUN | 12/12 | Hiking with Rover | SNR | 23 |
| TUE | 12/14 | Cashing in on Home Comfort | EWC | 20 |
| SAT | 12/18 | EarthWays Center Open House Public Tour Weekend – “Sustainably Staging: Your Home for the Holidays” | EWC | 20 |
| SUN | 12/19 | EarthWays Center Open House Public Tour Weekend – “Sustainably Staging: Your Home for the Holidays” | EWC | 20 |

CALENDAR

KEY:

| | |
|-----|---------------------------|
| BH | Butterfly House |
| EWC | EarthWays Center |
| MBG | Missouri Botanical Garden |
| SNR | Shaw Nature Reserve |

December 2010

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January 2011

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February 2011

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| DAY | DATE | CLASS | LOCATION | PAGE |
|-----|-------|---|----------|------|
| SAT | 12/18 | Great Green Adventures: Trees with Winter Coats | MBG | 6 |

JANUARY

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|-----|------|---|-----|----|
| FRI | 1/7 | Basket Making Overnight | SNR | 16 |
| TUE | 1/11 | Introduction to Permaculture | EWC | 8 |
| WED | 1/12 | Cashing in on Home Comfort | EWC | 20 |
| THU | 1/13 | Native Plant School: Control and ID of "The Worst" Invasive Woody Plants | SNR | 7 |
| FRI | 1/14 | Native Plant School: Control and ID of "The Worst" Invasive Woody Plants | SNR | 7 |
| FRI | 1/14 | Watercolor Rescue | MBG | 14 |
| SAT | 1/15 | EarthWays Center Open House Public Tour Weekend: – "Baby, it's Cold Outside" | EWC | 20 |
| SUN | 1/16 | EarthWays Center Open House Public Tour Weekend: – "Baby, it's Cold Outside" | EWC | 20 |
| MON | 1/17 | Brew It Yourself | MBG | 18 |
| TUE | 1/18 | White Roofs/Green Roofs | EWC | 20 |
| THU | 1/20 | Planning Your New Green Home – No "Greenwashing" Allowed! | EWC | 19 |
| SAT | 1/22 | Green Parenting: Green Kids are Clean Kids | EWC | 5 |
| SAT | 1/22 | Introduction to Herbal Soap Making | SNR | 16 |

| DAY | DATE | CLASS | LOCATION | PAGE |
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FEBRUARY

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| TUE | 2/1 | Bugaloo: Nature's Shapes and Colors | BH | 6 |
| THU | 2/10 | Native Plant School: Native Plant Propagation from Seed | SNR | 7 |
| THU | 2/10 | Rain Gardens: Fun & Functional Water-Saving Landscapes | EWC | 9 |
| FRI | 2/11 | Native Plant School: Native Plant Propagation from Seed | SNR | 7 |
| SAT | 2/12 | Valentine's Night Hike | SNR | 11 |
| SUN | 2/13 | Bugaloo: Nature's Shapes and Colors | BH | 6 |
| TUE | 2/15 | Spring Peeper Musical | SNR | 6 |
| SAT | 2/19 | EarthWays Center Open House Public Tour Weekend – "Let the Sun Shine In" | EWC | 21 |
| SUN | 2/20 | EarthWays Center Open House Public Tour Weekend – "Let the Sun Shine In" | EWC | 21 |
| WED | 2/23 | Cashing in on Home Comfort | EWC | 20 |

STUDENTS, TEACHERS, & SCHOOLS

At the Missouri Botanical Garden, we deliver experience-based education that increases understanding, appreciation, and conservation of plants and the natural world, and inspires people of all ages, backgrounds, and abilities to think and act in sustainable ways. Our three priority areas of focus include:

- **Reconnect people with nature** – Inspire more and more children, families, and people of all ages to spend time outdoors, exploring, appreciating, and understanding plants and the natural world.
- **Inspire, invest in, and develop our future workforce** – Increase the numbers of students interested in and skilled in science and other related disciplines, who can tackle and solve our world's most pressing environmental challenges. Invest in a stronger workforce of highly effective educators who will help fill the pipeline of future thinkers, doers, and problem-solvers.
- **Propel social/community norms toward sustainable living** – Encourage, support, and grow community-based efforts to influence attitudes and behaviors about what we eat, the homes/schools/offices we live in, how we get around, and the stuff we buy.

Beyond our efforts to engage, enrich, and inspire general public visitors to our St. Louis area sites – Missouri Botanical Garden, Shaw Nature Reserve, Sophia M. Sachs Butterfly House, EarthWays Center – we remain committed to students, teachers, and schools close to home and around the world.

The scope of the Garden's school programs includes preschool to adult student experiences, teacher professional development, awards programs, and school partnerships – all focused on strengthening human connections with and affinity for the natural world in ways that lead to a more sustainable future for us all. The three-part mission of our School Programs team:

- Inspire lifelong interest in and affinity for plants and the natural world
- Expand learners' horizons and build a global, sustainable perspective
- Create opportunities for environmental leadership and community engagement

Toward these ends, our sites provide fun and engaging programs for students, teachers, and schools:

Missouri Botanical Garden:

- [General Information](#)
- [Garden Classes](#)
- [Guided and Self-guided Tours](#)
- [Outreach Opportunities](#)
- [Environmental Action Programs](#)

Shaw Nature Reserve:

- [General Information](#)
- [Field Studies](#)
- [Self-guided Investigations](#)
- [Overnight Programs – Dana Brown Overnight Center](#)

Litzsinger Road Ecology Center

- [General Information and School Programs](#)

Sophia M. Sachs Butterfly House

- [General Information](#)
- [Field Trips](#)
- [Outreach Opportunities](#)
- [Teacher Kits](#)
- [Classroom Activities](#)

EarthWays Center

- [General Information](#)
- [Field Trips & Group Tours](#)
- [Classroom Resources](#)
- [School-Based Environmental Action Projects](#)
- [Outreach Opportunities](#)

Resources for Educators:

- [Professional Development Opportunities](#)
- [Classroom resources to borrow – hands-on kits, models, DVDS, and more!](#)
- [Classroom resources to purchase](#)
- [Online resources](#)

Eco-Art: The TreeHuggers as a Case Study for Teachers

Using the work of local artists Agnieszka Gradzik and Wiktor Szostalo, creators of The TreeHuggers Project, we will explore ways to educate students to become sustainability natives through training in the arts and sciences. The TreeHugger Project is an ongoing work of environmental art designed to help us rediscover our relationship with nature and affirm our stewardship of the planet. Using the sculptures as a stepping-stone to initiate learning around neighborhood development, transportation, and other “green” issues, this class will also serve as an introduction (or refresher!) on the medium’s form and technique. In addition to a hands-on component, this shortened workshop will also include focused planning time to help you develop a more effective unit for your classroom.

Friday, February 18, 2011

1 to 5 p.m.

Free; underwritten by grants

EarthWays Center Conference Room

Katy Mike Smaistrła, Louis Lankford, and

Agnieszka Gradzik

Eco-Art: Arts and Science Integration Without Even Trying

In this one-day workshop, we will explore the possibilities for integrating environmental issues into the art studio.... But this opportunity is also open for educators willing to explore if a science lab can be an art studio too! Examining the work of contemporary eco-artists will provide the foundation for the course: we will identify common mediums, interpret the artists’ statements and intentions, and then build up from the context and subject matter. Prior knowledge of “green” issues not required, but an open mind is. In addition to hands-on explorations of common mediums, this workshop will also include collaborative planning time to help you develop a more effective unit for your classroom.

Saturday, February 19, 2011

9 a.m. to 4 p.m.

Free; underwritten by grants

EarthWays Center Conference Room

Louis Lankford and Katy Mike Smaistrła

2011 Power of Plants Contest

Sponsored by the Monsanto Fund

Enter the 2011 Power of Plants Contest ...and you and your friends together could win up to \$1,000! And your school could win \$500!

Open to students in grades K–12, the 3rd annual Power of Plants contest remains all about celebrating plants and the natural world we all share. The 2011 competition, however, has a few twists!

- **Collaboration is key!** Scientists today work more collectively simply because there are limits to what individuals working by themselves can accomplish. Working as teams, scientists are able to know more and do more. It’s in the same spirit in which we’re encouraging increased collaboration. Only group projects (between 2–5 students) can enter.
- **Multiple forms of media.** This year, you can celebrate and communicate your chosen plant in multiple ways, either through **physical creations** (2- or 3-dimensional artwork, books, brochures/promotional campaigns) or **digital media** (including video, webpage/site, podcast, or digital slide show). (Submissions in either category will be judged separately to avoid favoring of one form of media over the other.)
- **The importance of communication, reach, and engagement.** Judging criteria will also include an additional assessment of communication, reach, and impact – how well and how broadly your group has shared/communicated your productions with others.

Learn more about the 2011 Power of Plants contest at www.mobot.org/power

Deadline for final submissions is **Monday, January 31, 2011.**

Buildings As Teachers: Teaching the Arts & Sciences with the Built Environment

The EarthWays Center is excited to share the lessons and curriculum designed for the successful summer experience, Camp EarthWays: Young Green Builders, with teachers! Using the programming as a method for integrating the arts & sciences allows teachers to meet their curriculum goals while engaging your students and looking at our community in a different way. Participants will develop a personalized study unit to take back to school that uses a place-based approach to education, ideally integrating emerging technologies in the classroom (using modeling systems) as well as relying on local experts and other resources to support student inquiry. An interdisciplinary vantage point provides a unique outlook for

this workshop. Looking at a building from the outside in, we will draw on art theory and technique. Looking from the inside out, we take a scientific approach to indoor environments, building technology and systems. Art educators are welcome – as are teachers in every field of study! Brief outdoor excursions, hands-on activities and focused planning time will help you tailor curriculum to your classroom’s needs, using the built environment as a teaching tool. Research has shown that more than 20 percent of America’s population spends about six hours a day in a school building – let’s turn those buildings themselves into instruments for engaging future generations.

Monday, February 21, 2011

9 a.m. to 4 p.m.

Free; underwritten by grants

EarthWays Conference Room

Katy Mike Smaistrła

REGISTRATION INFORMATION

Ways to register:

- Online: www.mobot.org/classes
- By mail: Please use the mail-in form on the next page to register for programs at all sites – MBG, SNR, BH, and EWC.
- By phone: (314) 577-5140. You will be prompted to select a site for more information.

Location of classes:

 Site maps are available at www.mobot.org/classes

- **Missouri Botanical Garden** is located off I-44 and is easily accessible from the major highways in the area.
Address: 4344 Shaw Boulevard, St. Louis, MO 63110
- **Shaw Nature Reserve** is located in Gray Summit, Missouri in eastern Franklin County.
Address: Hwy 100 at I-44 (Exit 253), P.O. Box 38, Gray Summit, MO 63039
- **EarthWays Center** is located in St. Louis, just north of the Fox Theatre.
Address: 3617 Grandel Square, St. Louis, MO 63108
- **Sophia M. Sachs Butterfly House** is located in Chesterfield, Missouri within Faust Park.
Address: 15193 Olive Blvd., Faust Park, Chesterfield, MO 63017
- **The Green Center** is located at 8025 Blackberry Ave., St. Louis, MO 63130.

Class information:

 Class details are available online at www.mobot.org/classes within each individual class listing.

A student must be 18 years or older to take an adult class unless otherwise noted in the description of the class.

Special accommodations and accessibility:

 For information on accessibility, please call (314) 577-5140 at least 2 weeks prior to the date of the class.

Cancellations/refunds:

- For cancellations more than 5 business days prior to the class, a full refund (minus a \$5 processing fee) will be issued, unless otherwise noted. Refunds cannot be issued for missed classes or cancellations 5 or less business days prior to class.
- For overnight program refunds, cancellations must be made at least 2 weeks prior to the program. Refunds cannot be issued for missed programs or cancellations less than 2 weeks prior to the program.
- 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.

Inclement Weather:

 Participants should come dressed for the weather as programs are usually held rain or shine. If in doubt, please refer to your registration confirmation for contact information.

Questions:

 For questions on classes at the Garden and registration process information, please call (314) 577-5140 or e-mail classes@mobot.org

Missouri Botanical Garden is an Equal Opportunity/Affirmative Action Employer.

Photo Policy

Class participants grant permission to the Garden and its designees to utilize Holder's image, likeness, or statements in any form taken during a visit to the Garden for the purpose of promoting the Garden in perpetuity. Participants wishing not to be photographed or recorded should inform the photographer.

REGISTRATION FORM FALL 2010/WINTER 2011

MISSOURI BOTANICAL GARDEN • SHAW NATURE RESERVE • BUTTERFLY HOUSE • EARTHWAYS CENTER

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 |
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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.

Click on the underlined date to register online.

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*



Sustainability

The Missouri Botanical Garden strives to make the most sustainable choices for the future of people, plants, and the planet. We've opted to design and deliver this Fall 2010/Winter 2011 Get Growing catalog as an online resource. We hope you find it helpful, and if you opt to print it out, we encourage you to use recycled paper, then when finished, recycle it again or pass it along to a friend!