




# at the EarthWays Center

3617 Grandel Square • St. Louis, MO 63108 • (314) 577-0220 • [www.earthwayscenter.org](http://www.earthwayscenter.org)

Celebrate the sesquicentennial with EarthWays! In honor of the Missouri Botanical Garden's "Green for 150 Years" celebration, the EarthWays staff has planned new and expanded programs for one and all. Look for programs marked with a sunflower icon (noted with  designating them as a Sesquicentennial Celebration! program).

## Tour the EarthWays Center

The easiest way to learn about low-cost, sustainable living options is to take a guided tour of the 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! **EWC is open to the public on the 3rd Saturday and Sunday of every month.** No reservations needed for public tour weekends. Group tours for adults or youth require advance booking.

Tours run at 11 a.m., noon, 1, and 2 p.m. each tour day  
FREE for members and children age 12 and under, \$3 nonmember

## Greening Your Small Business

Discussion will help problem-solve sustainable practices for YOUR business. Topics include recycling, indoor air quality, purchasing policies, building energy efficiency, and generating a positive marketing message. Discover many ways that small business owners and employees can go green at work!

Thursday, February 5  
6:30 to 8 p.m.  
Jean Ponzi  
\$12 member, \$15 nonmember

## Cashing In on Home Comfort

Learn how to make your existing home energy efficient, healthy, and comfortable while saving money at the same time! We'll discuss simple things you can do as well as the benefits of a comprehensive whole-house energy assessment. The Greater St. Louis Home Performance with ENERGY STAR program will also be explained. Pizza and drinks provided. Program is offered five times, need only attend one.

Tuesday, February 17; Thursday, March 19;  
Thursday, May 21; Tuesday, July 14 and  
Thursday, August 20  
6:30 to 8 p.m.  
Korey Hart  
\$12 member, \$15 nonmember

## Planning Your New Green Home—No "Greenwashing" Allowed!

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. Program is offered two times, need only attend one.

Thursday, March 26 or Thursday, May 14  
5:30 to 9 p.m.  
Jean Ponzi  
\$16 member, \$20 nonmember  
(includes pizza)

To learn more about greening the built environment, visit the U.S. Green Building Council-St. Louis Chapter's Web site <http://chapters.usgbc.org/stlouis/>. Congratulations to the chapter for winning a "Hero of the Planet" award this past fall!

## What Makes a Home Green?

This overview of sustainable homebuilding and home improvement options will focus on integrating high performance building elements and balancing the "triple bottom line" of people-planet-profit—with a brief introduction to green home certification systems. A must for anyone considering a major home investment! Program is offered two times, need only attend one.

Thursday, April 9 or Thursday, June 18  
6:30 to 8 p.m.  
Jean Ponzi  
\$12 member, \$15 nonmember

## Small-Scale Renewable Energy for Homeowners

Want to power your home with sun, earth, or wind? Local experts will answer your questions about requirements and costs in addition to currently-available and newly-developing technologies to integrate renewable energy systems into your home.

Thursday, May 28  
6:30 to 8 p.m.  
Jean Ponzi and guest speakers  
\$12 member, \$15 nonmember

## Great Green Gizmos & Gadgets

Do you know what works better than a compact fluorescent light bulb? What gadget can help save up to \$0.12 per gallon of gasoline? Discover the newest and future gadgets designed to help you save energy and go green in and around your home. Each participant will receive a few samples to take home!

Tuesday, June 30  
6:30 to 8 p.m.  
Korey Hart and Kim Petzing  
\$16 member, \$20 nonmember

# adult classes

at the EarthWays Center

## Cordwood Building Workshop

The Missouri Botanical Garden is proud to co-host Rob and Jaki Roy, renowned instructors and innovators in the field of cordwood construction, for a four-day intensive course. This particular type of construction encourages the creative process, community involvement, and innovative reuse of materials. According to Roy, “if properly built, a cordwood structure provides a natural, fire-retardant, mortgage-free shelter, is easy to build and will last at least a hundred years.”

In addition to the basic principles of this ancient building technique, participants will learn about the possible kinds of wood and mortar mixes, as well as the details of installing windows, doors, and masonry special effects. Half of the day will be spent on cordwood theory, slide presentations, and discussion of different styles, while the other half will be spent outside building a studio space 20 miles southwest of Fenton.

Please contact the EarthWays Center for more information about this unique opportunity. Lodging, scholarship, and extended learning opportunities may be available. Lunch, gloves, tools, and instructional materials will be provided.

Thursday, June 4 through Sunday, June 7  
7:30 a.m. to 5:30 p.m.

Hands-on

Rob and Jaki Roy, Melanie Daniels, and Katy Mike Smaistrila  
\$400 member, \$450 nonmember

## green homes and gardens series

Find out how to go green both inside and outside your home.

### Rain Water Harvesting

Capturing rain water for re-use is not only good for the environment, but will also save you money! Learn how simple tricks around the yard, such as rain barrels and rain gardens, will reduce your consumption of treated water (shrinking your water bills!), decrease flow into stormwater drains, and cut back on potential pollutants getting into the water table.

**This class will take place at the Kemper Center at the Missouri Botanical Garden.**

Monday, May 4  
7 to 9 p.m.  
Kim Petzing

\$12 member, \$15 nonmember

*For more classes on this topic, see page 8.*

### Preserving the Harvest

Deliver the healthful wealth of your garden to your family's table all year long! Leasburg, Missouri Master Gardener, teacher, and veteran preserver Laura Friz will demonstrate basics and share expert tips covering canning, drying, and freezing all types of fresh produce—and she'll whip up a batch of microwave pickles!

**This class will take place at the Kemper Center at the Missouri Botanical Garden.**

Thursday, July 9 or August 6  
7 to 9 p.m.

Jean Ponzi and Laura Friz  
\$20 member, \$25 nonmember

### Environmentally Ever After...

Bring the family for an eco-friendly cookout in the EarthWays Center backyard. Afterwards, we'll settle in for some environmentally-themed stories around the fire and cap off the evening with roasting marshmallows and making s'mores!

Friday, July 31  
6 to 7:30 p.m.

Kim Petzing  
\$12 member, \$15 nonmember  
(each adult or child)

### Green Kitchens

Your kitchen is often the hub of activity, but did you know it is also one of the most energy-intensive rooms? Participants will be treated to supper and some “kitchen talk” while we learn about energy-saving appliances, non-toxic cleaners, and suggestions for a variety of eco-friendly kitchenware. Each participant will make their own clean-air all-purpose cleaner to take home.

Tuesday, August 25  
6:30 to 8 p.m.

Kim Petzing  
\$20 member, \$25 nonmember

# adult classes

at the EarthWays Center

## reduce, reuse, recycle!

### Composting Completely

If you've ever considered composting, but weren't sure where to start, this is the workshop! We'll begin with the very first step: picking a bin that works for you. Covering a complete assortment of bin types and structures, we'll discuss pros and cons as well as the basics. Each participant will leave with a simple outdoor bin and enough information to begin composting right away. Program is offered two times, need only attend one.

Saturday, March 28 or Saturday, April 11  
1 to 3:30 p.m.

Katy Mike Smaistrila and  
Hwei-Yiing Johnson

Lincoln University Cooperative Extension  
\$24 member, \$30 nonmember

*For more classes on this topic, see page 6.*

### Upcycling: Materials and Fabrication

Take "reuse" to another level and embark on "upcycling." Using art processes to give objects more value than their original meaning, we will construct something completely new out of trash and found items. Explore a variety of reused materials, such as "plarn," with a focus on fabrication and assembly techniques, including spinning, weaving, quilting, and felting. Materials will be provided, although participants are encouraged to bring their own supplies and ideas. Although each session will be similar in nature, participants are welcome to attend one or all.

Thursday, May 7; Wednesday, May 13;  
or Wednesday, May 27  
6 to 8 p.m.

Katy Mike Smaistrila and South City Open  
Studio & Art Gallery instructors  
\$16 member, \$20 nonmember

*For more classes on this topic, see page 15.*

## eco-friendly field trips

Each trip will begin at the EarthWays Center, and participants will carpool to the field trip destination. Please arrive ready for your adventure, dressed for the weather, and closed-toed shoes!

### Field Trip: Where Is "Away": Leaving For the Landfill

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 will be provided.

Saturday, March 28  
8:30 to 11:30 a.m.

Katy Mike Smaistrila  
\$12 member, \$15 nonmember

### Field Trip: Small-Scale Renewable Energy Systems

See local installations of solar and wind power and talk with building owners about the capability and maintenance needs of their systems.

Saturday, April 4  
9:30 a.m. to noon

Jean Ponzi  
\$12 member, \$15 nonmember

### Field Trip: MRF

Curious about where your recyclables actually go? If you've ever wondered if they really do get recycled, this is the tour for you! We'll tour a "MRF"—materials recovery facility—and see for ourselves how the recycling is sorted, stored, and then shipped off to be made in to useful items again. Morning munchies will be provided.

Friday, May 22  
2 to 4 p.m.

Katy Mike Smaistrila  
\$12 member, \$15 nonmember

### Field Trip: Biomass Generation Plant

How can energy production co-exist within a residential area? It can if it's clean and green! We'll visit the Kirkwood Green Generation Facility to tour this self-contained energy generation facility fueled by biomass from local yard waste.

Saturday, June 13  
9 to 11 a.m.

Kim Petzing  
\$12 member, \$15 nonmember

### Field Trip: Let's Go Out to Dinner and See a Farm

Urban farms are helping revitalize neighborhoods throughout the country. We will tour a local farm and learn more about community supported agriculture and local farmers markets. Following the tour, we'll eat dinner on the farm, featuring fresh, seasonal fare.

Monday, August 3  
6 to 9 p.m.

Kim Petzing  
\$40 member, \$45 nonmember

## sustainability 101

How do we ensure that our actions and decisions have a simultaneous, positive impact on the environment and the people living in our communities, and make economic sense? Join this quarterly discussion forum focusing on various sustainability topics. Each session topic stands alone while also building on previous and future Sustainability 101 classes.

### Water Conservation— Even with Spring Rains

Conservation and efficiency aren't associated only with energy—we need to conserve water, too. Even with spring rains! Considerable work goes into drinking water and systems to carry waste water away. Some areas struggle to have enough drinking/cooking water, much less water for lawns and pools. Let's talk water conservation!

Wednesday, February 11  
6 to 8 p.m.  
Glenda Abney and guest speaker  
\$12 members, \$15 nonmember



### Green Bins in St. Louis?

You've heard about blue bins, but what about green bins? "Green bin" programs provide residents with a way to compost without setting up a real bin—they simply put their food scraps out on the curb with their recyclables! Join local composting and recycling experts as we discuss what a program might look like and if such a thing is possible in St. Louis.

Wednesday, March 11  
6 to 7:30 p.m.  
Katy Mike Smaistrila and guest speakers  
Free

### Sustainability: Hot Topics and Trends

Participants in this quarterly class will discuss recent topics, trends, and updates on sustainability issues. We'll talk legislative updates; what's new in sustainable business; new benefits for homeowners and communities; national trends towards sustainability, and more. Come prepared to share—together we'll keep up-to-date on Sustainability 101!

Tuesday, April 7  
6 to 8 p.m.  
Glenda Abney  
\$12 members, \$15 nonmembers

## ewc registration

Please use registration form on page 37.  
For questions, call (314) 577-0220

# registration information

Shaw Nature Reserve, EarthWays Center, Butterfly House, Garden Early Childhood

Spring 2009

## Registration

Please use the mail-in form on page 37 to register for programs at SNR, EWC, BH, and Garden Youth & Family Programs.

For more detailed information on classes or to check on availability, please call the specific sites.

- Shaw Nature Reserve classes, call (636) 451-3512 ext. 0 (toll free from St. Louis).
- EarthWays Center classes, call (314) 577-0220.
- Butterfly House classes, call (636) 530-0076 ext. 13.
- Garden Youth & Family Programs, call (314) 577-9506.

## Class Fees and Payment

Advance reservation is required. Most classes have limited registration. Walk-in students will not be accepted. Payment is due prior to class, unless otherwise noted.

## Confirmation

A registration confirmation with program details will be sent to you by mail or e-mail.

## Cancellations and Refunds

If after you've registered you need to cancel, please notify the contact on your registration confirmation as soon as possible.

For cancellations 5 or more business days prior to the class, a full refund (minus a \$5 processing fee) will be issued.

Refunds cannot be issued for cancellations less than 5 business days or missed classes.

Many programs will allow you to send an alternate participant if you are unable to attend. Please check with the contact on your registration confirmation.

For SNR overnight program refunds, cancellations must be made at least 2 weeks prior to the program.

In the event that the SNR, EWC, BH, and Garden must cancel a class, you will be notified and receive a full refund.

## Location

- Shaw Nature Reserve is located in Gray Summit, Missouri in eastern Franklin County.
- EarthWays Center is located at 3617 Grandel Square in St. Louis, just North of the Fox Theatre.
- Butterfly House is located in Chesterfield, Missouri within Faust Park.
- Missouri Botanical Garden is located off I-44 and is easily accessible from the major highways in the area, even during the scheduled construction on I-64/40 in 2009. See page 20 for more information or visit: [www.thenewi64.org](http://www.thenewi64.org) for up-to-date construction details.

## 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.

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Photos by: Lisa Francis, Jack Jennings, Lauren Kirkwood, Glenn Kopp, Cindy Lancaster, Heather Marie Osborn, Tammy Palmier, Karen Strobach, Laila Wessel, Kevin Wolf

Floral clock illustration by: Dave Buck



## sustainability

The Missouri Botanical Garden strives to make the most sustainable choices for the future of people, plants, and the planet. This publication is printed on paper containing 100% post-consumer recycled content. We hope that you will recycle it when finished or pass it along to a friend.



# registration form

Spring 2009

Shaw Nature Reserve, EarthWays Center, Butterfly House, Garden Early Childhood

Name: \_\_\_\_\_

Child's Name and Birth Date: \_\_\_\_\_  
(if applicable)

Address: \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Work Phone: \_\_\_\_\_ E-mail: \_\_\_\_\_

## Payment options

Please check one:  Member  Nonmember  Staff  Volunteer

Remittance:  Check  Visa  MasterCard  Discover

Card number: \_\_\_\_\_ Exp.: \_\_\_\_\_ Signature: \_\_\_\_\_

3-digit verification code: \_\_\_\_\_

## Courses

Course name	Location	Date	Fee

Total

## Mail to:

Missouri Botanical Garden  
Education Division  
P.O. Box 299  
Saint 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.*