

**Monsanto's
MySci Summer
Professional Development
For Experienced
MySci Classroom Teachers**

Presented by
Washington University in St. Louis
Saint Louis Science Center
Missouri Botanical Garden
Saint Louis Zoo
Phone: 314-289-1448 Fax: 314-535-0104 Cell: 314-406-3212
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www.mysci.info

July 25, 26, 28, 2011

August 1, 2, 4, 2011

8-8:30-Registration

8:30-3:30-Field Trip

Note: Lunch will not be provided this year. Please bring a sack lunch and drink since most field trips will not be near a food service.

8:30 - 3:30 on site - Dress appropriately for all weather and be prepared to walk outdoors.

MySci 2011 Summer Professional Development Fieldtrips

July 25, 2011

- **Animals Across the Curriculum** **FULL**
- **"Bee" a Scientist**

July 26, 2011

- **Animals Tell the Story of a Changing Earth**
- **Fishy Animal Inquiries** **FULL**

July 28, 2011

- **Native Schoolyard Gardening**
- **Boots, Nets, and Critters**

August 1, 2011

- **Growing Up Wild**
- **Geocology – Reading Missouri Landscapes**

August 2, 2011

- **Connecting to the Natural World Through Engagement, Storytelling, and Exploration**
- **Children and Nature Design**

August 4, 2011

- **Wonderful World of Worms**
- **What's in Your Water**

MySci 2011 Summer Professional Development Fieldtrips

Animals Across the Curriculum

This program at the Zoo will introduce you to exciting ways that connect kids to science through other subject areas.

Animal Math, Wild About Reading, and Animal Artistry are three of the topics we will focus on. You will take part in age appropriate activities that are easily transferred to the classroom or on a field trip. Animals engage students and make math and reading fun and exciting! You will receive activity write-ups and learn about our interdisciplinary Zoo cases available for free checkout.

Saint Louis Zoo
Offered July 25, 2011

“Bee” a Scientist

Capture your students' interest from storytelling through investigations with a lesson set that shares actual scientists' observations and questions, yet, connects content to students' lives – “How do plant-insect interactions have anything to do with them?” Increase your own knowledge about plant and insect interactions! Includes appropriate assessment tools for both inquiry and content.

Saint Louis Botanical Garden
Offered July 25, 2011

Animals Tell the Story of a Changing Earth

Does your local species of birds and insects tell the story of global climate change? Participants will work with teens from the Youth Exploring Science (YES) program to explore climate change in our own backyards.

Commerce Bank Educational Center/Forest Park
Offered July 26, 2011

Fishy Animal Inquiries

Did you know that St Louis has a world class aquarium with more than 15,000 animals housed in the City Museum, many that you can touch? Come for a day of learning about how animals share habitats with the plants and soils native to their environment. We will look at children's common misunderstandings about animals and their habitats, and work on strategies to address these issues.

World Aquarium at the City Museum
Offered July 26, 2011
***Special Note*-\$5.00 parking fee**

Native Schoolyard Gardening

Participating teachers will be introduced to a curriculum that enhances student learning through the development and study of schoolyard native plant habitats as outdoor classrooms. Come prepared to spend the day outside exploring the Litzinger Road Ecology Center and visiting a schoolyard garden nearby.

Litzinger Road Ecology Center a division of the Missouri Botanical Garden
Offered July 28, 2011

Boots, Nets, and Critters

What's the difference between a pond and a creek? Spend the day at Shaw Nature Reserve in Gray Summit, Missouri learning about these watery environments and the organisms that live there. In this hands-on workshop participants will explore the living and non-living components of both ecosystems through organism sampling and basic water testing.

Shaw Nature Reserve a division of the Missouri Botanical Garden
Offered July 28, 2011

Growing Up Wild

Come learn all about the early childhood curriculum for Project Wild, Growing Up Wild and Project Learning Tree, Environmental Experiences. Growing Up Wild and Environmental Experiences are cross-curricular lessons designed to provide educators with the tools, training and resources needed to engage students in active, hands-on learning about wildlife and trees. The lessons can be used individually, sequentially or in the Mysci Animal and Plant units. Teachers will receive two curriculum guides for attending.

Missouri Department of Conservation, Forest Park Visitor and Education Center
Offered August 1, 2011

Geocology

In this outdoor exploration we will examine common rocks found in Missouri and learn how to interpret their stories. We will find fossils and examine their connection to cave formation. We will also observe, first-hand, the dynamic interrelationship between what is under our feet, plants, animals, and human activities.

Rockwood Reservation
Offered August 1, 2011

Connecting to the Natural World Through Engagement, Storytelling, and Exploration

Education focuses on knowledge and skills while interpretation touches the heart and soul. Come and discover new techniques that excite and allow students to learn about nature in new ways. During this session, we will visit Zoo animal areas and the Kennedy Forest in Forest Park.

Saint Louis Zoo
Offered August 2, 2011

Children and Nature Design

What does outdoor learning look like for early elementary students? David Sobel suggests it looks a lot like play: adventure, fantasy & imagination, animal allies, maps & paths, special places, small worlds, hunting & gathering. Join us to learn strategies to engage kids in outdoor hands-on learning experiences.

Litzinger Road Ecology Center a division of the Missouri Botanical Garden
Offered August 2, 2011

Wonderful World of Worms

Welcome to the world of worms, nature's own recyclers! Vermicomposting, or composting with worms, yields nutrient-rich soil that helps gardens grow. It gives us a clean, odor-free, environmentally correct way to get rid of garbage. In this workshop, participants will work with teens from the Youth Exploring Science (YES) program to build and learn to maintain a vermicomposting station for their classroom. Topics will also include food chains and webs, soil quality and human impact on the environment.

Taylor Community Science Resource Center (TCSRC)
Offered August 4, 2011

What's in Your Water

How healthy is the water around you? Learn all about watersheds and your role in their protection. In this hands-on workshop, participants will explore their water through macro-invertebrate sampling, water quality testing and fishing.

Missouri Department of Conservation, Forest Park Visitor and Education Center
Offered August 4, 2011

Monsanto's MySci Summer Professional Development For Experienced MySci Classroom Teachers

Teacher's Information

School district: _____

School name: _____

Teacher name: _____

Teacher home address: _____

City _____ zip code _____

Teacher grade level: _____

Teacher email address: _____

Teacher email address during summer: _____

Teacher phone number: _____

Teacher phone number during summer: _____

Please indicate which **curriculum** unit your **grade level** will be teaching. Animal Plant Earth

Please return registration to
TCSRS, 4900 Manchester Ave.
St Louis, MO 63110 Attn: Diane Pilla
or Fax to 314-535-0104

Grade Level _____

Indicate your first, second, or third choice with a 1, 2 and 3 in the appropriate boxes.
All classes have minimums and maximums and will be filled on a first come, first served basis.
Details will be mailed/emailed to you prior to the event.

Field Trip Offerings

Animals Across the Curriculum	FULL	July 25	<input type="checkbox"/>
"Bee" a Scientist		July 25	<input type="checkbox"/>
Animals Tell the Story of a Changing Earth		July 26	<input type="checkbox"/>
Fishy Animal Inquiries	FULL	July 26	<input type="checkbox"/>
Native Schoolyard Gardening		July 28	<input type="checkbox"/>
Boots, Nets, and Critters		July 28	<input type="checkbox"/>
Growing Up Wild		August 1	<input type="checkbox"/>
Geoecology		August 1	<input type="checkbox"/>
Connecting to the Natural World		August 2	<input type="checkbox"/>
Children and Nature Design		August 2	<input type="checkbox"/>
Wonderful World of Worms		August 4	<input type="checkbox"/>
What's in Your Water		August 4	<input type="checkbox"/>