

*World Forestry Center Environmental Education*  
**Program Guide**  
2011 - 2012



*Photo by Steve Hambuchen*



WORLD  
FORESTRY  
CENTER  

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EDUCATION



# Programs offered at Discovery Museum

## Museum Exploration: Youth

Location	Discovery Museum
Offered	Daily
Group	10 or more under 18 years
Reservation	Required
Fee	\$5 per child Chaperones 1:10 no charge
Payment	Due at the door. Please make one group payment

Self-guided tours are fun and easy! We'll meet your group at the door and give you an introduction to our museum. Your group is then free to explore the museum at your own pace - groups usually stay for around 90 minutes.

We require a minimum 1:10 chaperone/student ratio and students must be accompanied by adults at all times. Students are welcome to visit the Forest Store with adults.

## Museum Exploration: Adult

Location	Discovery Museum
Offered	Daily
Reservation	Required
Fee	\$8 for adults, \$7 for seniors (+62) Groups of 10 or more required
Payment	Due at the door. Please make one group payment

This tour is perfect for senior groups, social clubs, and out-of-town groups who want to see why we are such a great place to learn about forests and trees. We'll greet you at the door and give you a brief



history and introduction to our museum. You then can take as much time as you wish to explore our wonderful exhibits and gift shop.

## Girl's Day 2012

Location	Discovery Museum
Offered	February 25, 2012 10:00 am - 2:00 pm
Reservation	Required
Fee	\$5 per child, \$5 per adult
Payment	Due at the door. Please make one group payment

Join us for this special one day event for girls of all ages. You'll discover the amazing life of the forest - from top to bottom- and learn how you, your friends and family can help protect and preserve this valuable global resource.



# Programs offered at Discovery Museum

Continued

## Your Own Little Forest

Location	Discovery Museum
Offered	On a group basis
Group	10-40 students
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Payment due two weeks in advance

Wouldn't it be fun if we all had 80 acres of forest property and we could make the decisions on what to do with it? We've designed a program for students of all ages that will send them on a fact-finding quest and get them asking important questions so they can make informed decisions. With the task of managing a fictional 80 acre forest property, students will determine a management plan and decide what's the best scenario for this land. Should it be kept as-is because of the wildlife? Will harvesting the trees affect houses in the area? Should it become an 80-acre skate park and what would that mean for traffic and noise? Students will work with our education director who will draw them into the scenario, get them role playing and help their creative minds flow with ideas.

Larger or older groups may be given certain roles to play, such as a government official or a concerned citizens group. There are no wrong choices, but they should be able to defend why they made that choice.

## Forest Technologies- GPS (Global Positioning System)

Location	Discovery Museum
Offered	On a group basis
Group	10-30 students 3rd-6th grade
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due two weeks in advance

We'll take your students out of the traditional classroom setting and provide them with hands-on, relevant, practical, and memorable connections to modern forest management skills used by working forestry professionals. Learn how GPS works and how to collect your own GPS data. Also, a great tool for teaching about possible career options.

All participants should be dressed for outdoor activities-rain or shine. This includes sturdy walking shoes or hiking boots and appropriate clothing, including rain gear if necessary. We suggest dressing in easy-to-add or shed layers to account for changes in temperature or exertion levels. Trails can be muddy and extra shoes or clothes in the car may be useful for the ride home.

We require a minimum 1:10 chaperone/student ratio and students must be accompanied by adults at all times.



# Special Exhibits Gallery Tours



## Masters of the Night: The True Story of Bats

Location	Discovery Museum
Offered	January 21 - May 6, 2012
Group	10 or more under 18 years
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due at the door. Please make one group payment

*Masters of the Night: The True Story of Bats*, is a touring museum exhibition bringing the mystery surrounding bats out of the dark.

The 2,500 square foot exhibition dispels popular misconceptions about bats, describes their ecological importance and gives visitors an appreciation of the true wonders of the bat world. The exhibit includes special effects, multi-sensory interactive displays, a Gothic castle and environmentally lifelike settings.

A Neo-Gothic portal opens the way into the exhibit. The adjacent home of the 18th-century bat enthusiast walks visitors through centuries of mythic representations of bats by different cultures.

A transitional area with bat portrait photography and a giant-screen video introduces visitors to the real world of bats as diverse, beneficial mammals with fascinating skills and extraordinary abilities.

A hands-on display relates to the evening activities of bats, such as echolocation (sonar ability), pollination, diet and flight. In a demonstration of echolocation, students can use a joystick to maneuver a bat model in search of food using a laser to simulate sonar.

Join our education director as he takes your class for a guided tour of this educational and fun exhibit and also talks about bats in Oregon and bat biology.



# Special Exhibits Gallery Tours *Continued*



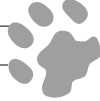
Artist: Rochelle Mason



Artist: Rochelle Mason

## Focus on Nature: Wildcats of the World

Location	Discovery Museum
Offered	May 26 - July 22, 2012
Group	10 or more under 18 years
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due at the door. Please make one group payment



For the first time ever, all 36 species of wildcats from around the world are represented in one exhibit. *Focus on Nature: Wildcats of the World* is a collection of 36 framed prints from oil paintings by endangered species artist Rochelle Mason and watercolor paintings from wildlife artist Linda DuPuis-Rosen. In addition to representing the nine familiar big cats, this fascinating series brings much-needed attention to the rich and diverse family of 27 small cats, weighing less than 45 pounds, many of which have never been studied in the wild. The artists' works sensitively reflect the individual characteristics of each cat with a delightful infusion of "personality" that brings life to every vivid image.

Our education director will guide your class through this stunning exhibit as well as talk about cats of the Pacific Northwest and their role in the forest.

## Timberrr! A Nostalgic Look Back at Working in the Woods

Location	Discovery Museum
Offered	August 4 - Dec. 31, 2012
Group	10 or more under 18 years
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due at the door. Please make one group payment

First with their own strength and sweat, later with oxen, horses and steam power, the loggers of the last century cut the trees that built the cities of the Pacific Northwest. Through vintage photographs and rare motion picture films, you will be amazed at the effort and ingenuity that was logging in the glory days.

It was dirty, dangerous work. Loggers had their own vocabulary. A "bucker" was someone who cut trees into manageable pieces after they'd been sawed down by the "faller," while the "whistle punk" relayed information between the worksite and the "donkey engine" where logs were "yarded" for loading. Men flocked to the woods to

become a part of the industry and heritage of the Northwest.

Join our Education Director as he takes you and your class back through time to explore logging "back in the day." You'll learn logger lingo, see strange and clever tools, and discover how tree harvesting has changed from the axe and cross-cut saw to high-tech computerized harvesting machines.





# Programs offered at Magness Memorial Tree Farm

## Magness Walks and Talks

Location	Magness Memorial Tree Farm
Offered	Tuesday - Saturday
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due two weeks in advance

Enjoy a guided hike through the 80 acre internationally recognized Magness Memorial Tree Farm. Multiple trails and lengths are available depending on your objective. Perfect for school or youth groups of all ages. Get an overview about forests, ecosystems, wildlife, tree farms, and learn about the Oregon Forest Plan.

All participants should be dressed for outdoor activities-rain or shine. This includes sturdy walking shoes or hiking boots and appropriate clothing, including rain gear if necessary. We suggest dressing in easy-to-add or shed layers to account for changes in temperature or exertion levels. Trails can be muddy and extra shoes or clothes in the car may be useful for the ride home.

We require a minimum 1:10 chaperone/student ratio and students must be accompanied by adults at all times.

## Forest Technologies - Forest Measurements

Location	Magness Memorial Tree Farm
Offered	On a group basis
Group	10-40 students 6th-12th grade
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due two weeks in advance

Enjoy a hands-on outdoor learning experience that can show your students the tools that built the foundation for modern forest technology. Let us teach your class how to use some traditional forestry equipment such as the Clinometer, D-Tape, Increment Borer, Compass, Biltmore Stick, and more.

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# Programs offered at **Magness Memorial Tree Farm**

*Continued*



## Forest Science – Wildlife and Habitat

Location	Magness Memorial Tree Farm
Offered	Tuesday - Saturday
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due two weeks in advance

Perfect for school or youth groups of all ages, we'll focus on native animals and habitats to meet your education objective. Magness Memorial Tree Farm is home to hundreds of different critters that walk, climb, or slither about.

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## Forest Science – Tree and Plant ID

Location	Magness Memorial Tree Farm
Offered	Tuesday - Saturday
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due two weeks in advance

Perfect for school or youth groups of all ages, we'll teach you how to identify native trees, shrubs, and plants while hiking through our 80 acre tree farm. If your group wishes, we can even introduce scientific names.

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## Forest Science – Native Americans: Living Off the Land

Location	Magness Memorial Tree Farm
Offered	Tuesday - Saturday
Reservation	Required
Fee	\$6 per child Chaperones 1:10 no charge
Payment	Due two weeks in advance

Perfect for school or youth groups of all ages, we'll focus on Native American forest uses that include edible plants and medicinal purposes. Find out why licking a slug may be much more useful than you imagined!

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*Continued*

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## Webelos Forester

Location	Magness Memorial Tree Farm
Offered	Dates: 2011= Oct 1, Nov 5, Dec 3 2012 = Feb 4, Mar 3, Apr 7, May 5, Jun 2, Oct 6, Nov 3, Dec 1 9:00 a.m. - 12:00 p.m.
Reservation	Required
Fee	\$6 per child Chaperones no charge
Payment	Due two weeks in advance

This program is designed specifically for youth groups ages 8-10 and satisfies many of the requirements for beginning level forestry, conservation, or natural resource badges. Approximately two hours of the course is indoor, hands-on activities and one hour is outdoors. Topics covered may include, but are not limited to: tree identification, tree growth, wildfires, and how to plant a tree. Non Scouts welcome!

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