



## Greening Your Math Program Mathematics in the Forest

April 6 & 7, 2013

LEAF and the Kickapoo Valley Reserve are hosting this hands-on teaching workshop for math teachers. The workshop focuses on outdoor application of algebra, geometry and trigonometry. In addition to inspiring ideas, you'll also get mathematics-related lesson materials to take back to your classroom.

Participants will use geometry to understand the mathematics behind making and using a biltmore stick to measure tree diameter. After exploring the mathematics behind the biltmore stick, they will actually make their own biltmore stick, and use it to collect data in the forest. They will also use simple trig to understand the mathematics of an angle gauge, then make an angle gauge and use it in the forest to estimate basal area per acre. Other topics will include population estimates and land measurement.

<b>Location</b>	Kickapoo Valley Reserve, S3661 State Highway 131, La Farge, Wisconsin 54639 <a href="http://kvr.state.wi.us/">http://kvr.state.wi.us/</a>
<b>Dates &amp; Times</b>	Sat, April 6 – 9:00 AM to 5:30 PM Sun, April 7 – 9:00 AM to 5:30 PM
<b>Instructor</b>	Dr. Roger Jones
<b>Cost</b>	\$100 ( <i>Assumes scholarship granted, see below. Includes 1 graduate credit, light breakfast and lunch both days.</i> ) Non-credit option available – contact LEAF for details.
<b>Optional lodging</b>	Saturday night - <i>Special rate</i> \$50 per person double occupancy at Kickapoo Valley Ranch (contact LEAF)

### To Register

- Complete the electronic registration form.
- Print the form for your records.
- Mail, email, or fax the form to LEAF. Tell us if you plan to take advantage of the optional Saturday night lodging
- Look for the confirmation email with further instructions about payment.

**Registration Deadline: March 22, 2013**

### Limited Scholarships for Graduate Credit Available!

You may take this workshop for 1 graduate credit as NRES 741.

To be considered for the scholarship, complete the registration form and return it to LEAF. The cost of the graduate credit without the scholarship is \$424.47.

*This course provided in cooperation with UWSP's College of Natural Resources, the Wisconsin Center for Environmental Education, and the Wisconsin Department of Natural Resources-Division of Forestry.*

### Professional Development Opportunities for K-12 Educators

For information  
contact LEAF

715-346-4956  
or  
[leaf@uwsp.edu](mailto:leaf@uwsp.edu)

[www.uwsp.edu/cnr/leaf](http://www.uwsp.edu/cnr/leaf)

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### Changing Lives Through Lifelong Learning

For information about other classes offered by UWSP Continuing Education  
go to [www.uwsp.edu/conted/](http://www.uwsp.edu/conted/)