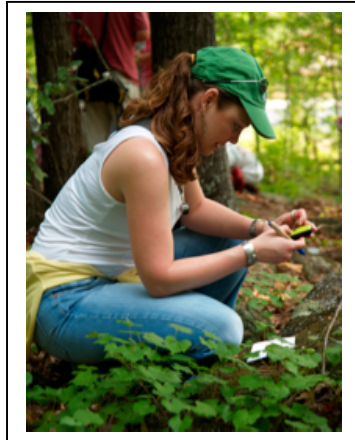


**TEACHER QUALITY IMPROVEMENT WORKSHOPS
2011-2012**

***Liking Lichens (and other Biota):
Applying Ecological Knowledge to Georgia's Performance
Standards in Science***

Offered by

UGA Department of Lifelong Education, Administration, and Policy,
UGA Department of Geography, Center for Remote Sensing & Mapping Science, Odum School of Ecology,
Oconee River Georgia Youth Science & Technology Center (GYSTC) at Northeast Georgia Regional Educational Service Agency



The Southeastern Piedmont is one of the most biologically diverse areas in the country, and offers many opportunities to study species and their interactions. By observing the timing and occurrence of our flora and fauna, we can learn about large scale effects such as climate change, invasive species, and pollution.

This subsidized *TEACHER WORKSHOP* is designed to enhance educators' understanding of the biology, ecology, natural history, and identification of lichens as the primary target organism—as well as fungi, vascular plants,

insects, and amphibians; to use digital photography and web tools to study biodiversity and ecology, and to develop geospatial knowledge and mapping skills. **Tailored to the Georgia Performance Standards for Science.**

July 17-21, 2011 is a residential workshop (housing & meals provided) at Charlie Elliott Wildlife Area consisting of multiple instructional sessions and field trips. There will be an additional two-day sustained contact session on September 10-11, 2011. Two additional two-day sustained contact sessions in late January 2012 and mid March 2012 will be scheduled in consultation with participants at the July 2011 workshop.

Participants will:

- *Experience Hands-on Instruction*
- *Learn to Identify some of Georgia's Most Common Lichens, Plants, Amphibians and Insects*
- *Learn to Use a Geographic Positioning System (GPS) to Map the Distribution of Lichens and other Georgia Biota*
- *Learn to Use Digital Photography for Studying Large-Scale Ecology*
- *Participate in Building a Computerized State-Wide Map of Species in Georgia*
- *Go on Field Trips*

Participants will:

- *Receive Instruction in Natural History Activities Based on the GA Performance Standards*

Receive Free:

- *Lodging/Meals*
- *Digital Camera*
- *Identification Keys*
- *Instructional Materials*
- **5 PLUs (at no cost)**
- *...and have a lot of fun!*

Course Requirements For PLUs:

- *Attend one residential workshop, July 17-21, 2011 (5 class and field days/4 nights) and three 2-day follow-up sustained contact sessions (September 2011, January 2012, March 2012)*
- *Submit photographs & data for a minimum of 20 observations of lichens*
- *Submit 30 photographs of any additional organisms (vascular plants, insects, or amphibians) to the **Discover Life Project** as instructed during the workshop (<http://www.discoverlife.org/>)*

Eligibility:

All Educators in Georgia Schools or Education Centers demonstrating the value of this workshop to enhance teaching & learning

To apply, please send the following information:

Your Name, School or Institution, Address, Email, Phone number and 100 words describing how this program will enhance you classroom instruction.

To:

Dr. Robert (Bob) Hill

bobhill@uga.edu

LEAP, 322 Rivers Crossing, UGA, Athens, GA 30602-4811

Join a highly successful program that has been revised to include more of GA's biodiversity!

Now in its seventh year!

For more information, see:

Georgia Lichen Workshop Web Site:

http://www.crms.uga.edu/lichen_workshop.htm

This workshop is sponsored by Georgia's Teacher Quality Higher Education Program, a federally funded program under the Board of Regents of the University System of Georgia. It is funded through the United States Department of Education as part of the No Child Left Behind Act (Title II, Part A, of Public Law 107-110). Funds are used to enhance science and other subject areas at the elementary, middle, or high school level in public and private schools. This program replaces the Georgia Eisenhower Professional Development Higher Education Program.

