

Jigsaw



Jigsaw – A technique for Student-Active Learning
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*Photo Credit from EcoEdDL: A variegated meadowhawk dragonfly
(*Sympetrum corruptum*) perches in a California rice field by Sharon P. Lawler*

Special Feature: Lakes

Announcements

EcoEdDL to be partner in new LifeDiscoveryEd Digital Library

We are excited to announce that EcoEdDL has entered into a formal partnership with the Botanical Society of America, Society for the Study of Evolution and Society for Economic Botany to form a new LifeDiscoveryEd Digital Library (LDDL) at <http://lifediscoveryed.org>. Each of our societies will have its own portal which will maintain their unique identities. You will still be able to submit and access EcoEdDL resources directly as in the past. Going forward, you will also be able to search for resources across all partner holdings. Each society will review and curate its own resources. In this partnership, ESA will provide user support and BSA will provide technical support for LDDL. The other three societies are just beginning their journey to solicit educational resources among their members.

LIFE DISCOVERY – DOING SCIENCE
Exploring Biology for a Changing World
MARCH 15–16, 2013 – ST. PAUL, MINNESOTA



The inaugural Life Discovery – Doing Science Biology Education Conference was held from March 15 – 16, 2013 in St. Paul, Minnesota. About one-third of the 119 attendees were from Minnesota, and the other two-thirds came from 26 states, including the District of Columbia. The opening keynote speaker, Jay Labov, urged educators to think about implications of the shifting job market and the need for students to be prepared for multiple job changes over their lifetime for science education. It was a very exciting event with strong positive feedback and interest for this to be annual event.

Upcoming Events

**American Society for Microbiology
Conference for Undergraduate Educators**
May 16–19, 2013 | Englewood, CO

**American Meteorological Society
Climate Studies Diversity Project**
May 19–24, 2013 | Washington, DC

C.R.E.A.T.E. Summer 2013 Workshops
June 10–14, 17–21 | Geneva, NY

**U.S. News STEM Solutions 2013
Annual Conference**
June 17–19 | Austin, TX

**Association for Biology Laboratory
Education
Annual Conference**
June 25–28, 2013 | University of Calgary,
Alberta

**Society for the Advancement of Biology
Education Research
Annual Conference**
July 11–14, 2013 | University of Minnesota,
Twin Cities

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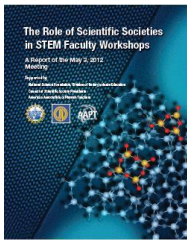
Events at ESA 98th Annual Meeting, Minneapolis, MN

ESA will host a *Resources for Ecology Education - Fair and Share (REEFS)* Special Session at our annual meeting. We invite you to share your favorite classroom activity with other ecology faculty and learn what they are doing to engage their undergraduate students using student-active methods. To sign up, please go [here](#) and you will be well on your way to publishing it in EcoEdDL!

Reports & Articles



PULSE: Implementing Change within and among Life Science Departments



The Role of Scientific Societies in STEM Faculty Workshops



Evolution: Education and Outreach is now open access. Back issues can be found on [SpringerLink](#).

Resources

Special Feature: Lakes



Great Lakes Eco Region

Use the multimedia resources NOAA has created to teach various concepts involving aquatic ecosystems and water use to middle school and high school students.

David Kirschtel
Gerd Kortemeyer
Nora Bynum
Philip Bourne

Digital Resource Discovery (DRD) Partners

Botanical Society of America
Society for the Study of Evolution
Society for Economic Botany
Science Pipes, Cornell University

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Education Resource Partners





Biomagnification In the Great Lakes Ecosystem

Introduce the concept of biomagnification to high school students with this National Geographic, using the Great Lakes as the example.



Effective of Aquatic Invasive Plant Control in Emerald Bay, Lake Tahoe, California

Teach your students how to read scientific literature with this easily understood paper on the efforts to control invasive plants in Lake Tahoe.



Lake resources on EcoEdDL

- **Image: Forest composition change and sediment cores from Windy Lake, BC**
- **Press release and images: Ecological changes in Lake Christina, MN**
- **Dataset: Lake levels and drought marked by landscape ecology over 25 years**

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For more visit <http://ecoed.esa.org>

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