



Jigsaw – A technique for Student-Active Learning

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Photo Credit from EcoEdDL: The East Front of the Northern Rocky Mountains in Montana showing the transition between prairie and forest by Ragan Callaway

Special Feature: Mountains



EcoEd Digital Library

New Resource



An in-class role-playing activity to foster discussion and deeper understanding of biodiversity and ecological webs

by Loren Byrne

This activity is an active, student-centered approach to helping students develop a deeper understanding of biodiversity and interspecific interactions. In it, students role-play diverse organisms in a community to establish relationships and create a diagram of an ecological web.

EcoEd DL as a Life Discovery Digital Library Portal

We are excited to announce that EcoEd Digital Library is now part of the Life Discovery Digital Library. This means resources on EcoEdDL will not only include biology education resources related to ecology but also, botany, evolution, and ethnobiology.

Announcements

Upcoming Events

STEM-Interactive Web-Based Workshops
April 3–May 1

Network for Academic Renewal Conference
Deadline for proposals
April 11, 2013

CIRTL Coffee Hour Series
Fostering critical thinking
April 17, 2013

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



Reports & Articles

The 98th Annual Meeting of the Ecological Society of America will take place August 4–9, 2013 in Minneapolis, MN.

- Registration opens in April 2013.
- Call for Latebreaking Posters opens in April. Deadline is May 9, 2013.

The American Society for Cell Biology just released its latest issue of Life Sciences Education, which focuses on integrating concepts into the college curriculum. There are five excellent articles:

Stereotyped: Investigating Gender in Introductory Science Courses

Figure Facts: Encouraging Undergraduates to Take a Data-Centered Approach to Reading Primary Literature

Questions for Assessing Higher-Order Cognitive Skills: It's Not Just Bloom's

CREATE Cornerstone: Introduction to Scientific Thinking, a New Course for STEM-Interested Freshmen, Demystifies Scientific Thinking through Analysis of Scientific Literature

Developing the Inner Scientist: Book Club Participation and The Nature of Science



Resources

Special Feature: Mountains

Rockies Thrust Up

This five-minute video demonstrates one theory on why the Rocky Mountains were formed so far from the Pacific coast.



The TwiLIFE Zone

This fieldtrip activity teaches middle school students how biotic and abiotic features interact at Mount Rainier. Students learn what sorts of scientific measurements are taken in field research and how to use the data they collect.



July 11–14, 2013 | University of Minnesota, Twin Cities

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Mountain Pine Beetles

Learn about the mountain pine beetles that are destroying the Cascades' forests and the efforts being taken to control them.



Ecology of Habitat Contrasts: An Example from the Holyoke Range, MA

Take your class into the field and make observations on the different types of organisms found on different slopes of mountains.



Evaluating Efficacy of Management Practices Designed to Limit Ecological Impacts on the Summit of Cadillac Mountain, Acadia National Park

Use this presentation to start a discussion on the methods of preventing ecosystem degradation due to tourist activity. For upper-level undergraduate courses.

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