

Jigsaw

*Advancing
Student-Active Learning in
Ecology Education*



ECOLOGICAL SOCIETY OF AMERICA
esa

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Photo Credit from EcoEdDL: [Bison \(Bos bison\), an important native grazer in the Great Plains grasslands of North America](#) by John Blair

Special Feature: Grasslands

Announcements

Jigsaw Reader Survey

Thank you to those who have already filled out the survey!

Your feedback is very important to us. Please take a moment to complete this brief 8-question survey about how you utilize the information provided in the Jigsaw Newsletter. The survey should take 5 – 8 minutes to complete. This survey will be open through May 30.

<https://www.surveymonkey.com/s/JIGSAW2013>

Featured Sessions at the ESA Annual Meeting

Call for Teaching Ideas:

Resources for Ecology Education Fair and Share (REEFS)

Monday, August 5, 2013: 10:15 AM-11:30 AM

Session Format: This session is designed to create or revise lesson plans or activities with a peer working group. Each lesson or idea will be presented by the author in a small group with up to 9 other participants. There will be time for each author to describe their lesson idea. Then discussions will follow to provide feedback and ideas regarding the core concepts, methodology, misconceptions, assessment or educational extensions. Participants will circulate among presenters at 15 – 20 minute intervals.

Sign up to share your ecology education resource:

<https://www.surveymonkey.com/s/REEFS2013>

Upcoming Events

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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Digital Resource Discovery (DRD) Partners

Invitation to an EcoEdDL Workshop:

Your Teaching Resource & ESA's EcoEd Digital Library

Monday, August 5, 2013: 8:00 PM-10:00 PM

- What is your favorite ecology focused classroom, lecture hall or laboratory activity?
- Want to share this resource with other educators?

Session Description: Join us to for a walkthrough of submitting a resource to EcoEd Digital Library, ESA's peer-reviewed online digital commons. Learn how the peer review process works. For more info click [here](#).

Interested participants should:

- 1) Complete brief form: <http://www.surveymonkey.com/s/ESA2013-EcoEdDLWorkshop>
- 2) Review the EcoEdDL [submission guidelines](#)

Articles and Reports



Science Magazine: Grand Challenges in Science Education

This special issue focuses on the challenges of teaching STEM subjects today. If you don't have a subscription through your institution, *Science* offers free accounts.

Resources

Special Feature: Grasslands



Biodiversity, Extinction, and Incentives to Save/exterminate Species

This multi-day lesson plan for AP biology and environmental science focuses on the bison, a keystone species of the American plains.



Grasslands

This set of multi-disciplinary lessons introduces middle school students to laboratory and field work.



Resources in EcoEdDL

Grasslands, Rangelands, and Agricultural Systems

This report explores how switchgrass (*Panicum virgatum* L.), a native perennial cellulosic

[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



grass, may become the center of biofuel production in some parts of the Great Plains and Midwest.

Effects of Plant Biodiversity on Ecosystem Productivity within a Savannah Grassland Community

This Data Set focuses on the question: How does plant biodiversity in a grassland savannah community affect ecosystem productivity?

The effects of bison grazing on plant diversity in a tallgrass prairie (Konza Prairie LTER)

How does grazing by bison affect plant community diversity? This TIEE Data Set introduces students to biodiversity and the concepts of richness, evenness, and diversity indices.

[Click here for more EcoEd DL resources on prairies.](#)

Made possible by:



To view past issues of **Jigsaw Jigsaw** go to [ESA's Jigsaw about page](#)

To learn more about **EcoEd Digital Library** go to: <http://ecoed.esa.org/>

You are receiving this newsletter because you are either in ESA's Education Section or have been involved with ESA's Education Initiatives.

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If you have any questions, e-mail andrea@esa.org