



K-State College of Education ▶ **SustainED**
Sustainability Resources for Education

Created as a repository for sustainability and environmental education resources, the **SustainED** website reinforces the vision of the K-State College of Education to prepare educators to be knowledgeable, ethical, caring decision makers.

The focus of the website is on collected resources pertaining to sustainability in education: lesson plans, books, resource links, recycling hints, people who are making a difference, classroom activities, and environmental education programs and events.

www.coe.ksu.edu/sustain/



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Environmental Awareness Lesson Plans

Our students– both elementary and secondary– create and implement many lessons during their professional development with us. Many are concerned about Earth matters and may have ideas about how to infuse their lessons with environmental awareness. Students are encouraged to submit their lesson(s) to the web site for online publication.

In 1994– fifteen years ago– students from all fifty states, 22 countries, and six continents joined together at a Campus Earth Summit held at Yale University. What emerged was Blueprint for a Green Campus with recommendations for the world’s institutions of higher education. The first of ten recommendations was to “integrate environmental knowledge into all relevant disciplines.” Infusing our curriculum with Earth matters provides all of our students with a more holistic and relevant approach to learning.

Source: Collett, Jonathan and Stephen Karakashian, ed. Greening the College Curriculum. 1996. Island Press: Washington, D.C.



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Making a Difference Profiles

Our contributors are important to us– so we feature them here so others can understand their vision and interest in sustainability and environmental education.

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Tyler Fennema
Senior, Secondary Education – Social Studies
K-State College of Education

How did you arrive at being environmentally aware and interested in sustainability?
Truly, my interest in environmental awareness and sustainability goes down to the simplicity of recycling. To be honest, my "environmental awareness" isn't in peak condition, though my efforts in sustainability surpass my knowledge for the subject. To me, it's a pretty simple task to recycle something, especially on the K-State campus.

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Cosette Armstrong
Graduate Research Assistant
K-State Apparel, Textiles and Interior Design Sustainability Lab

Born in Walla Walla, WA, I spent the first seven years of my life on Guam. My family moved to the US mainland when I was seven, settling in a rural home-schooling community near Short Mountain, TN. Many childhood years were spent in a one-room cabin without electricity or running water. Winters were spent huddled around the wood stove where my family read *The Education of Little Tree* and listened to Prairie Home Companion on the radio. Summers were spent skinny dipping and camping. The daughter of an organic berry farmer and a natural foods business owner, the fundamentals of sustainability were simply intuitive. Quality food, lively community... what's not to like?

It was not until years later that I could fully appreciate living so simply. After working in the fashion industry for 15 years, it was time for a change. After entering graduate school, I attended my first academic conference. I heard Natalie Chanin tell her story, an owner of a community-based, locally grown apparel business called Alabama

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Kate Ireton
Senior, Secondary Education – Earth Science
K-State College of Education

How did you arrive at being environmentally aware and interested in sustainability?
I was raised in a family that did not believe in being wasteful and practiced recycling but I noticed that not all families practiced this, which brought my attention to social environmental issues. This awareness grew through practice. It cleaning up the environment through trash pickup, land maintenance (planting and watering vegetation) and similar activities. Soon I discovered my love of science and began on my own to study the environment and topics relating to protecting and being a positive impact of our Earth.



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Recycling Resources

A collection of links to available information about recycling– including K–State, local, and state resources, electronic waste programs, comprehensive guides, children’s activities, freecycling sites, and other green ideas such as using environmentally–friendly cleaners, composting, reducing unwanted mail, and using energy efficient products.





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Local Environmental and Sustainability Activities

This photo archive documents local activities and aims to showcase what students and faculty are doing to learn and teach about environmental issues.





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Environmental Education Events

Calendar of events relating to environmental education conferences and day or week-long activities, such as Earth Day and the Great American Cleanup, with links to related teacher resources and activity ideas.

- Resources from the [2009 First Annual Kansas Green Schools Conference](#)
- Videos from the [2009 Kansas Environmental Education Conference](#)
Kansas Association for the Conservation and Environmental Education (KACEE)
- [2010 K-State Sustainability Conference](#)
Kansans Advancing Sustainability in Higher Education
January 29-30, 2010, Manhattan, Kansas
- [Great American Cleanup™](#)
March 1 – May 31, 2010
- [National Environmental Education Week](#)
April 11-17, 2010
- [Earth Day](#)
April 22, 2010



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Resource Links

Collection of environmental education resources for teachers, featuring links to curriculum sources (activities and lesson plans), programs and projects, organizations, scholarships, and green living guides.

[Curriculum Resources](#) | [Programs/Projects](#) | [Organizations](#) | [Scholarships](#) | [Green Living](#)

CURRICULUM RESOURCES

[The Adventures of Keep America Beautiful \(KAB\) Man](#) (videos and game)

[Clean Sweep USA: Lesson Plans in Waste Management and Litter Prevention](#)

[Kansas Kids Can Newsletter](#) (Kansas Green Schools Network)

[Get Caught Recycling!™ Posters and Graphics](#)

[Our Earth.org: Environmental Videos, Newscasts and Documentaries](#)

[Friends of the Kaw Elementary Teachers Corner](#)

[Friends of the Kaw Middle School Teachers Corner](#)

[Kids 4 the Kaw](#)

→ Resources to help kids learn about protecting and preserving the Kansas River
[Natural Kansas](#)

→ Habitat diversity and wildlife watching opportunities in Kansas

[Library of Congress: Multimedia Resources on Nature and the Environment](#)

→ Expert presentations, exhibitions, bibliographies, and online materials



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Book and Article Lists Relating to Sustainability in Education

Books on Sustainability in Education

- *147 Tips for Teaching Sustainability: Connecting the Environment, the Economy, and Society*. William M. Timpson, Brian Dunbar, Gailmarie Kimmel, Brett Bruyere, Peter Newman, and Hillary Mizia. Atwood Publications. (2006).
- *Agenda 21: Earth's Action Plan: Annotated*. Commission on Environmental Law and Nicholas A. Robinson (editor). International Union for Conservation of Nature and Natural Resources. Oceana Publications. (1993).
- *A Whole New Mind: Why Right-Brainers Will Rule the Future*. Daniel H. Pink. Riverhead Books. (2006).
- *Earth in Mind: On Education, Environment, and the Human Prospect*. David W. Orr. Island Press. (2004).
- *Ecological Literacy: Educating Our Children for a Sustainable World (The Bioneers Series)*. David W. Orr. Sierra Club Books. (2005).
- *Edible Schoolyard: A Universal Idea*. Alice Waters. Chronicle Books. (2008).
- *Greening the College Curriculum: A Guide to Environmental Teaching in the Liberal Arts*. Jonathan Collett (editor). Island Press. (1995).
- *Higher Education and the Challenge of Sustainability; Problematics, Promise, and Practice*. Peter Blaze Corcoran and Arjen E. J. Wals (editors). Dordrecht: Kluwer Academic Publishers. (2004).
- *Into the Field: A Guide to Locally Focused Teaching (Nature Literacy Series Vol. 3)*. Clare Walker Leslie, John Tallmadge, and Tom Wessels. Orion Society. (2005).
- *The Natural Step: A Framework for Achieving Sustainability in Our Organizations*. Karl-Henrik Robert. Pegasus Communications, Inc. (1997).
- *Our Common Future*. World Commission on Environment and Development. Oxford University Press. (1987).
- *Planet U: Sustaining the World, Reinventing the University*. Michael McGonigle and Justine Starke. New Society Publishers. (2006).
- *Schoolyard-Enhanced Learning: Using the Outdoors as an Instructional Tool, K-8*. Herbert W. Broda. Stenhouse Publishers. (2007).
- *Skills for Sustainable Development*. Sir John Egan. London: Office of the Deputy Prime Minister. (2004).
- *Smart by Nature: Schooling for Sustainability*. Michael K. Stone, Center for Ecoliteracy. University of California Press. (2009).
- *The Sustainability Handbook for Design and Technology Teachers*. Centre for Alternative Technology and Practical Action Publishing. (2008).

Articles on Sustainability in Education

Thank you to [Cosette Armstrong](#) for her contributions here, giving us an excellent start on this list of sustainability articles.

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- Everett, J. (2008). Sustainability in higher education: Implications for disciplines. *Theory and Research in Education*, 6(2), 237-251.
- Fien, J. (2002). Advancing sustainability in higher education: Issues and opportunities for research. *International Journal of Sustainability in Higher Education*, 3(3), 243-253.
- Filho, W.L., Manolas, E., and Pace, P. (2009). Education for sustainable development: Current discourses and practices and their relevance to technology education. *International Journal of Technology Design Education*, 19, 149-165.
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