

Education for Sustainability Summer Institute

2011

Conference Program

Welcome to the Education for Sustainability Summer Institute 2011. Educators and schools everywhere are implementing sustainability education into classes across the disciplines and at all levels. This generation of students and the next will be faced with unprecedented challenges to address the major sustainability crises being experienced today – climate change, natural resources depletion, economic turmoil, a growing number of failing states. Noted environmental educator David Orr, believes the crises we face are primarily related to perceptions and values, or what he calls a crisis of mind. He therefore sees the challenge as an educational one and that teachers and schools have the opportunity, and also responsibility, to build new habits of mind in their students and develop their skills in critical thinking, systems thinking, collaboration, and change.

Sustainability education is about not only content but also process in education, and education is being moved outside of the classroom and into the community – where students are engaged in studying and helping to solve real community problems. This approach to education provides clear benefits to communities and it also excites the education process and improves learning. It is a galvanizing time to be in education and the stakes are high. The decisions being made today and the patterns of thought being developed will have consequential and long lasting impacts. Thank you for attending this conference, to learn, share, network, and collaborate with colleagues about these important themes and trends. You are contributing the energy and focus that will help transform education and our world to support a sustainable future.



> Facilities

The facilities for this conference were selected as models of sustainability. The conference is being held in the new Gary A. Ransdell Hall, with the evening reception to be held at the Service One Credit Union branch on Campbell Lane.

Gary A. Ransdell Hall is home to the WKU College of Education and Behavioral Sciences. It is Kentucky's first large-scale building on a university campus built to LEED standards. Some features include use of recycled and local materials; energy efficient heating, cooling and lighting; recycling stations; maximum daylighting; low VOC materials; reflective roof; pervious pavement; rain gardens; xeriscaping.



Service One Credit Union on Campbell Lane is the second building in Kentucky built to LEED Platinum standards (the highest level.) Features include use of reclaimed wood timbers from a historic mill, a green roofing system, earth berms, dual geothermal heating and cooling system, interior day lighting. bioretention basin, and grass paver integration. Special glass filled with Nanogel give the windows an R-value of 20 while the ICF walls have an R-value of 50. The construction team carefully kept all excavated materials on site for reuse, resulting in the removal to landfill of only one dumpster of waste.



Education for Sustainability Summer Institute

Education for Sustainability Summer Institute 2011 is hosted by the WKU College of Education and Behavioral Sciences and Center for Environmental Education and Sustainability. The Office of Sustainability and MBA program provided valuable assistance and support.

Sponsors:

Institute for Citizenship and Social Responsibility
MBA Sustainability Concentration
Philosophy and Religion Department
Office of Sustainability

A special thanks to:

- Our speakers, session presenters, and exhibitors
- The Classic Strings Trio for the reception music
- Quinna Sydnor for the rain barrels artwork
- Valerie Brown, President/CEO, and Rob Atnip, Facilities Manager, of Service One Credit Union

Conference Planning Committee: Nancy Givens, Sustainability Programs Development Coordinator, Center for Environmental Education & Sustainability; Jeanine Huss, Assistant Professor, School of Teacher Education; Roxanne Spencer, Associate Professor, Library Public Services; Terry Wilson, Director, Center for Environmental Education and Sustainability; Dr. Kay Gandy, Associate Professor, School of Teacher Education; Dr. Vicki Stayton, Retired, School of Teacher Education

Education for Sustainability Summer Institute 2011 Schedule of Events*

*See Speakers List and Program Descriptions inside.

Thursday, July 21

8:30 am Check-in for Registrants - Room 1002
Exhibitor's Hall and Poster Sessions - Room 1003

10:00 am – 11:50 am Interactive Sessions

- 1) Creative Journaling, Dr. Bill Hammond - Room 2002
- 2) Geo-Caching, Dr. Kay Gandy - Room 2003
- 3) Art Gardens for Sacred Earth Connections, Jim Embry - Room 2005

11:50 am – 12:00 pm Break - Move to Mass Media & Technology Hall (MMTH)

12:00 pm – 12:50 pm Lunch - Convening and welcome - MMTH Atrium
Remarks by Dr. Terry Wilson, Director and Nancy Givens, Sustainability Programs Development Coordinator, Center for Environmental Education & Sustainability

12:50 pm – 1:00 pm Break - Return to Gary A. Ransdell Hall (GRH)

1:00 pm – 2:00 pm Opening Session - GRH Auditorium

Remarks by Joe Tinius, Superintendent, Bowling Green City Schools and Tim Murley, Superintendent, Warren County Public Schools

Introduction to speaker by Dr. Terry Wilson

Keynote Address: International Trends in EFS

Dr. Rosalyn McKeown, Secretariat of the UNESCO Chair on Reorienting Teacher Education to Address Sustainability

2:00 pm – 2:10 pm Break

2:10 pm – 3:05 pm Concurrent Session 1

SESSION A: Sustainability as a 21st Century Literacy: Core Principles and Practices, Nancy Givens - Room 2002

SESSION B: Encouraging Sustainability Ideas with Mammoth Cave Field Experiences, Dr. Jeanine Huss, Cheryl Messenger, and Lauren Bell - Room 2003

SESSION C: The KUPEE Energy Initiative: A Partnership with Earth Force, Dr. Terry Wilson, Dr. Joe Baust, and others from KUPEE - Room 2005

SESSION D: Practical Approaches to Sustainability via Community Engagement, Laura Leach and Shahnaz Aly - Room 2006

3:10 pm – 4:05 pm Concurrent Session 2

SESSION A: tREeGENERATION – Looking to Nature for a Way Forward, Claude E. Stephens, Bernheim Forest - Room 2002
Note: This session will be interactive and continues through Concurrent Session 3

SESSION B: Global Climate Change International Collaborations Through STEM and EE, Dr. Teddie Phillipson Mower and Dr. Laurie Henry - Room 2003
Note: This session will be transmitted live via Skype from 3rd International Conference on Climate Change, in Brazil.

SESSION C: On the Ethical Challenge of Sustainability and Institute for Citizenship and Social Responsibility (ICSR) Programs, Dr. Eric Bain-Selbo - Room 2005

SESSION D: Enhancing Student Learning and Retention with Community Partnerships, Dr. George Kontos - Room 2006

4:10 pm – 5:05 pm Concurrent Session 3

SESSION A: tREeGENERATION, continuation - Room 2002

SESSION B: Outdoor Classroom and Wildlife Habitat Development / Growing Gardens, Patricia Sowell, Deborah Sherfey, Kandy Fear, and Linda Jenkins - Room 2003

SESSION C: Effecting Change and Growing Sustainably through ICSR 301 Courses, Christian Ryan-Downing - Room 2005

SESSION D: University-Community Partnerships for Environmental Safety and Sustainability, John Vick and Carol Norton - Room 2006

5:05 pm – 5:30 pm Exhibitor's Hall and Poster Sessions - Room 1003

5:30 pm – 7:30 pm Wine & Cheese Reception / Green Building Tour* - SOCU Building
Gather in lobby to board bus. Buses to SOCU at 5:30 and 6pm. Enjoy wine and cheese, a green building tour, and music from a classical trio. Buses will return at 6:45 and 7:30pm.

*This will be held at Service One Credit Union's LEED Platinum building

Friday, July 22

7:30 am – 8:30 am Check-in for Registrants - Room 1002
Continental Breakfast - Room 2002

8:30 am – 12:00 pm Field Trips - Gather in lobby at 8:30 am to board buses for transportation

1) "Buildings that Teach"
Tour of Richlandville Elementary net zero energy school; WKYU-PBS lighting efficient studio; ALIVE Center solar installation; and Gary A. Ransdell Hall

2) "Outdoor Learning Centers"
Tour of WKU farm; WKU Campus – "Hole in the ground", day care garden, herb garden; and Parker Bennett Curry Elementary School Vernal Pond

OR

Project Learning Tree Certification Program (for K-8) - Room 2003
PLT is an award-winning environmental education program designed for lesson plans for all grades and subject areas. Facilitators: Robin Hume and Kandy Fear

12:00 pm – 12:45 pm Lunch - MMTH Atrium

12:45 pm – 1:00 pm Break - Return to GRH

1:00 pm – 2:00 pm Plenary Session - GRH Auditorium

Introduction to speaker by Dr. Terry Wilson

Engaging the Entire Community in EFS

Dr. Bill Hammond, Professor Emeritus at Florida Gulf Coast University

2:00 pm – 2:10 pm Break

2:10 pm – 3:05 pm Concurrent Session 4

SESSION A: Kentucky School Energy Managers Project - Creating a Culture of Energy Awareness, Andrea Curtis and Chris Curtis - Room 2002

SESSION B: Infusing Sustainability Ideas Into an Elementary Science Methods Class, Dr. Jeanine Huss and Tamara O'Nan - Room 2003

SESSION C: Sustainability in Business Education Concepts and Best Practices, Dr. Brian Sullivan – Core - Room 2005

SESSION D: Greentoppers Legacies: How Grassroots Projects Lead to Institutional Change, Christian Ryan-Downing - Room 2006

3:10 pm – 4:05 pm Concurrent Session 5

SESSION A: From Sustainability to Resilience? How Best to Communicate Great Challenges, Wolfgang Brauner - Room 2002

SESSION B: BookTalk: A Review of Sustainability-themes Children's Picture Books, Roxanne Spencer - Room 2003

SESSION C: Adapting the Earth Force Model at WKU's McChesney Field Campus, Steve Spencer - Room 2005

SESSION D: WKU-Habitat for Humanity Green Community: A Model for Engagement and Partnerships, Nancy Givens and Rodney Goodman - Room 2006

4:10 pm – 4:30 pm Closing; door prizes - GRH Auditorium

> Program Descriptions

Interactive Sessions

Creative Journaling, *Dr. Bill Hammond*

Journaling is a powerful tool for self-growth and expression. Creativity injects journaling with magic and possibility. In the words of Leonardo da Vinci, “Those who took as a guide anything other than Nature herself, the teacher of teachers, labored in vain.” Join plenary speaker Bill Hammond in this creative exploratory process that can become a window to self-discovery for students.

Geo-Caching, *Dr. Kay Gandy*

Geo-caching is a real-world outdoor treasure hunt, where players try to locate hidden containers, called geo-caches, using GPS-enabled devices. It is a fun way to introduce students to Global Positioning System technology and to spend time in the local outdoors. Join Dr. Gandy in exploring WKU’s campus and learning about how to engage students in technology through geo-caching.

Art Gardens for Sacred Earth Connections, *Jim Embry*

This will be an interactive and participatory workshop that describes the opportunities to engage children and youth in the delicious and delightful creation of art gardens utilizing recycled materials, sacred geometry symbols, creative art forms, edible plants and flowers, and much more. Engaging youth in art gardens can provide them with a grander sense of themselves and capacity to respond creatively to the challenges of their daily lives.

**Concurrent Session 1
Sustainability as a 21st Century Literacy: Core Principles and Practices**, *Nancy Givens*

This session will focus on K-12 implementation of Education for Sustainability and how it is being used at all grade levels and in all disciplines. Teachers will leave the session with new knowledge about the principles, pedagogies, models and resources for EFS.

Encouraging Sustainability Ideas with Mammoth Cave Field Experiences, *Dr. Jeanine Huss, Cheryl Messenger, and Lauren Bell*

A grant funded through the National Parks Foundation from Toyota Corporation is helping make overnight trips to Mammoth Cave National Park possible. Students learn about geology and water, karst systems, and how humans interact with cave ecosystems.

The KUPEE Energy Initiative: A Partnership with Earth Force, *Dr. Terry Wilson and Dr. Joe Baust*

WKU’s Center for Environmental Education and Sustainability was funded in late 2009 to integrate service learning into environmental education programs through Kentucky University Partnership in Environmental Education (KUPEE) Centers using the Earth Force models. Learn how this three-year project is engaging college students and elementary and secondary school students in high-quality service-learning projects that meet local needs.

Practical Approaches to Sustainability via Community Engagement, *Laura Leach and Shahnaz Aly*

Building demolitions account for 48 percent of the waste stream; from that stems the aim to adaptively reuse structures rather than to demolish and rebuild. A successful partnership between WKU and the community has developed where students investigate potential uses of vacant city buildings and research and propose sustainable materials to use. The program provides the community with opportunities to save and reuse its buildings.

**Concurrent Session 2
tREeGENERATION – Looking to Nature for a Way Forward**, *Claude E. Stephens, Bernheim Forest**

Regenerative design, systems thinking and nature based design are deep explorations of sustainability that are gaining momentum. tREeGENERATION is a tool to teach about regenerative design disguised as a virtual tree house building competition for grades 6 through professionals. tREeGENERATION weaves together science, writing, art, math, technology, and creative problem-solving. Curriculum resources and small group activities are included for integrating tREeGENERATION into the classroom. *Session is 2 hours.

Global Climate Change International Collaborations through STEM and EE, *Dr. Teddie Phillipson Mower and Dr. Laurie Henry*

This session will be broadcast from the third International Conference on Climate Change in Brazil, via Skype. Learn how the global nature of climate change is being explored through international collaboration in STEM and EE and use of technologies and social media, e.g., blogging. Teachers and students in Brazil will share their ideas about sustainability education.

On the Ethical Challenge of Sustainability and ICSR Programs, *Dr. Eric Bain-Selbo*

Two questions are at the heart of sustainability: Are human beings capable of treating the Earth ethically? Are human beings capable of acting morally and responsibly for the benefit of distant future generations? This session draws upon the work of 20th century theorists to identify the ethical core of these questions and the critical role of higher education and interdisciplinary inquiry in answering affirmatively.

Enhancing Student Learning and Retention with Community Partnerships, *Dr. George Kontos*

Learning and retention are improved when students feel their education connects them with community via meaningful projects. This session will describe one project where students contacted local businesses and helped them create web sites. The project entailed two phases: planning and implementation. This session will explore how the project connected students with community through collaboration. The project is suitable for face-to-face and online.

**Concurrent Session 3
Outdoor Classroom and Wildlife Habitat Development / Growing Gardens**, *Patricia Sowell, Kandy Fear, Debbie Sherfy, Linda Jenkins*

Outdoor classrooms provide an opportunity for students to see and experience the intricate relationships of nature. They are also a tool that allows educators to use hands-on approaches and to integrate all disciplines education. Learn about outdoor classrooms in our own community, how to create them, how they are being used, and how learning through nature enlivens education for students.

Effecting Change and Growing Sustainably Through ICSR 301 Courses, *Christian Ryan-Downing*

The WKU Institute for Citizenship and Social Responsibility (ICSR) provides special opportunities to create courses on sustainability and related topics. Two courses, both developed in response to students, have had lasting impacts for students, the university, and beyond. ICSR 301: Growing Sustainably in the Garden has resulted in the creation of a student community garden at the WKU Farm. ICSR 301: Effecting Organizational and Cultural Change for Sustainability resulted in the engagement of more than 4,600 people in Earth Day/ One Planet Day. Course syllabi and reading lists will be provided.

University-Community Partnerships for Environmental Safety and Sustainability, *John Vick and Carol Norton*

This session will focus on partnerships between an interdisciplinary university-based research center and community groups that provide education and resources related to environmental safety and sustainability. Highlighted projects will draw from the Center’s current work in urban agriculture, schoolyard design, soil safety, and water quality. The session will also outline the structure of these partnerships and explore opportunities for educational institutions to engage communities in environmental issues.

**Concurrent Session 4
Kentucky School Energy Managers Project - Creating a Culture of Energy Awareness**, *Andrea Curtis and Chris Curtis*

This session will provide the background for the state-wide School Energy Managers Project (SEMP) that is sweeping the state and gaining national attentions. This project addresses energy issues using a two-pronged approach, working with Energy Managers to reduce energy use and costs, and with a Curriculum Coordinator and partners to implement energy education and sustainability into the curriculum. Participants will also learn about resources available to them and how school energy teams that involve students in monitoring energy use enhance education and reduce use and costs.

Infusing Sustainability Ideas into an Elementary Methods Class, *Dr. Jeanine Huss and Tamara O’Nan*

This session will describe some activities used within a science methods class for elementary school teachers, to introduce sustainability into classes. The presentation will discuss activities and materials used, and show examples of some student products. A former student will discuss how she has used and plans to use the material in her future classroom. This presentation will interest preschool and elementary teachers and non-formal educators.

Sustainability in Business Education – Core Concepts and Best Practices, *Dr. Brian Sullivan*

This session will provide an overview to an MBA course on Business Interests in Sustainability, BA 580. Participants will learn about sustainability concepts that interest corporations and corporate best practices gleaned from the course content and student research. Students will present research findings on best practices, social entrepreneurship, questionable practices, and romanticism vs. conservation. The course reading list will be provided.

Greentoppers Legacies: How Grassroots Projects Bring Institutional Change, *Christian Ryan-Downing*

Students who are organized behind a cause or purpose are unparalleled in energy, creativity, and motivation. Two student organizations in particular have been incredibly successful in engaging the WKU campus and greater community in making positive changes for sustainability: Greentoppers Students for Campus Sustainability and Americans for Informed Democracy (AID.) Learn how programs started by students that have become institutionalized and how involvement in student groups provides opportunities for learning about organizing, diplomacy, institutional structure, policy change, and other essential skills. The skills and lessons learned by students organized for positive change can be as valuable as the formal curriculum.

**Concurrent Session 5
From Sustainability to Resilience? How Best to Communicate Great Challenges**, *Dr. Wolfgang Brauner*

This multimedia presentation and discussion will focus on insights gained by a college instructor with years of experience teaching global sustainability courses at various colleges, into the challenges of and responses to effectively communicating about great environmental challenges, with an emphasis on the relationship between sustainability and resilience. The focus will be on what is arguably the greatest ecological challenge, the twin problems of peak oil and global warming. The presentation will be an experiment itself in how best to communicate great ecological challenges.

BookTalk: A Review of Sustainability-themes Picture Books, *Roxanne Spencer*

“In recent years, a resurgence of interest in matters related to the environment and sustainability has sparked a proliferation in children’s literature dealing with these broad subject areas. Join us for an overview of magical and informative children’s picture books that touch upon a variety of topics related to sustainability.”

Adapting the Earth Force Model at WKU’s McChesney Field Campus (MFC), *Dr. Steve Spencer*

This session will summarize the work completed by a WKU class in recreation resource management at the MFC using the Earth Force model, where students identify, work toward, and complete sustainable solutions to problems. Steps taken and applied in the Earth Force process will be covered, and a summary/status of the project will illustrate how projects continue to evolve past initial stages. The presentation should enable the audience to better understand the educational value of experiential learning through a guided service project design for students.

WKU-Habitat for Humanity Green Community: A Model for Engagement and Partnerships, *Nancy Givens and Rodney Goodman*

This session will discuss a WKU and Habitat for Humanity partnership project that is developing a statewide demonstration affordable green housing community with integrated green infrastructure. The presentation will discuss the origins of the project, how partnerships were created, principles of sustainability that will be demonstrated, and ways that training, education, community outreach, and policy change are being integrated into the project and are important outcomes. Participants will learn how classes, schools and community organizations can become involved.

> Keynote Speakers



Dr. Rosalyn McKeown is Secretariat for the UNESCO Chair on Reorienting Teacher Education to Address Sustainability and former Director of the Center for Geography and Environmental Education at the University of Tennessee. She is also

the principle author for the Education for Sustainable Development Toolkit, first published in 2000.

Dr. McKeown has published widely and is a frequent presenter at national and international conferences. She will speak about the UN Decade of Education for Sustainable Development and international trends in Education for Sustainability.



Plenary Speaker Dr. Bill Hammond is Professor Emeritus at Florida Gulf Coast University. He has worked in Environmental Education for over fifty years as a teacher, faculty member, program director, and consultant. Dr. Hammond presents widely in

the U.S. and internationally, and has advised over 250 nonprofit organizations.

His most recent project is to work as a consultant for Babcock Ranch Community, which is being designed as the nation’s largest sustainable community plan. Dr. Hammond will speak about his work with collaborations among schools, governments, NGOs, and community groups to build sustainable communities. He will also conduct a Creative Journaling workshop as an Interactive Session.

> Special Events

Field Trips (choose one)

1. Buildings that Teach – Visit Richardsville Elementary School, first net zero energy school in the country; tour the WKYU-TV high lighting efficiency studio; and see a video and tour Gary Ransdell Hall. Learn how each building is used to education and what makes it so special. Field trip will be guided by Joanie Hendricks, Public Relations Coordinator, Warren County Public Schools.

2. Outdoor Learning Centers – Explore sites at WKU’s campus, the WKU Farm, and Parker Bennett Curry Elementary School. Field trip will be guided by Dr. Brian Sullivan, Associate Professor, Management; Christian Ryan Downing, WKU Sustainability Coordinator; and Trish Sowell, Coordinator for the vernal pond at PBC.

Or select:

Project Learning Tree Certification for K-8 Educators

Project Learning Tree is an award-winning environmental education program designed for teachers and other educators, parents, and community leaders working with youth from preschool through grade 12. This session will focus on K-8 educators and be conducted by trained PLT facilitator Robin Hume and Kandy Fear. Participants in the workshop will receive the PLT manual and certification that enables them to use the curriculum in classes.

Reception

A wine and cheese reception will be held Thursday, July 21 at 5:30-7:30 pm at Service One Credit Union in Bowling Green. Transportation will be provided to and from Gary Ransdell Hall on a hybrid bus. Enjoy local foods and wine, participate in a building tour, listen to music, and view sustainability videos that will be shown continuously. Music will be provided by the Stephanie Barr string trio and by folk musicians Joe Baust and John Shortt, who will also be offering sessions earlier in the conference. Don’t miss a riveting great time!

> Speakers List

Shahnaz Aly, M.S. Assistant Professor AMS, LEED AP, WKU

Eric Bain-Selbo, Ph.D. Executive Director Society for Values in Higher Education; Co-Director of Institute for Citizenship and Social Responsibility and Department Chair Philosophy and Religion, WKU

Joe Baust, Ed.D. Director, Center for Environmental Education, Murray State University

Lauren Bell, Graduate Student, WKU

Wolfgang Brauner, M.A. Visiting Instructor, Wheaton College

Andrea Curtis, Energy Management Curriculum Coordinator, GRREC

Chris Curtis, Energy Manager, GRREC

Jim Embry, Director, SustainLex.org

Kandy Fear, M.A. Parker Bennett Curry, Bowling Green City Schools

Kay Gandy, Ed.D. Associate Professor, School of Teacher Education and Coordinator for the Kentucky Geographic Alliance

Nancy Givens, M.S. Sustainability Programs Development Coordinator, Center for Environmental Education and Sustainability, WKU

Rodney Goodman, Executive Director, Bowling Green-Warren County Habitat for Humanity

Bill Hammond, Ed.D. Professor Emeritus, Florida Gulf Coast University

Laurie A. Henry, Ph.D. Assistant Professor Early Adolescent Literacy and Co-Director, P2- College and Career Readiness Lab, UK

Robin Hume, M.A. Program Coordinator, Center for Environmental Education and Sustainability, WKU and Project Learning Tree Certified Trainer

Jeanine Huss, Ph.D. Associate Professor of Education, WKU

Linda Jenkins, B.A. WKU Child Care Center

George Kontos, Ed.D. Associate Professor, Business, University College, WKU

Laura Leach, M. Arch. Assistant Professor AMS and Architect, WKU

Rosalyn McKeown, Ph.D. Secretariat of the UNESCO Chair on Reorienting Teacher Education to Address Sustainability, Paris, France

Cheryl Messenger, Director of Environmental Education, Mammoth Cave Park

Teddie Phillipson Mower, Ed.D. Environmental Educator Director, Center for Environmental Education, University of Louisville

Carol Norton, AICP Assistant Director/Program Manager, Center for Environmental Policy and Management, University of Louisville

Tamara O’Nan, B.S., Graduate Student, WKU

Christian Ryan-Downing, M.S. Sustainability Coordinator and Chair of University Sustainability Committee, WKU

Deborah Sherfy, M.A. 6th grade, Temple Hill Elementary, Barren Co. Schools

John Shortt, M.A. Former music teacher and band leader; musician and folksinger.

Patricia Sowell, Center for Environmental Education and Sustainability; Coordinator for Parker Bennett Curry vernal pond and WKU Child Care Center garden

Roxanne Spencer, M.A. MSLS, Associate Professor and Coordinator of Educational Resources Center, Department of Library Services, WKU

Steve Spencer, Ed.D. Professor, Kinesiology, Recreation and Sport, WKU

Claude E. Stephens, B.S. Director of Education, Bernheim Forest and President, Generation 14 LLC

Brian Sullivan, J.D. Association Professor, Management, WKU

John Vick, M.S. Project Coordinator, Center for Environmental Policy and Management, University of Louisville

Terry Wilson, Ph.D. Professor, School of Teacher Education, and Director, Center for Environmental Education and Sustainability, WKU

> Exhibitors & Posters Hall

Exhibitors

Bowling Green Warren County Habitat for Humanity Center for Environmental Education and Sustainability
Kentucky Association for Environmental Education
Institute for Citizenship and Social Responsibility
Lost River Cave and Valley
M.A. in Social Responsibility and Sustainable Communities

Posters

Ashley McGloughan, MBA student, *The global food crisis: Can we restore hope to a planet of despair?*

Bret Ray, former WKU student, *WKU solar panels* and *WKU biodiesel facility*

Elvis Dzafic, WKU Honors student, *Feasibility of fuel alternatives for the WKU fleet*

Jessica Savoy, MBA student, *Methodology used to calculate WKU’s air travel emissions*

Thomas Choate, former Gatton Academy student, *Sustainability indicators as a guide to local city planning*

Book Fair

A representative from Usborne books will be on site with a display of selected children’s books that focus on environmental/sustainability topics. Educators may purchase these books, and a portion of proceeds will go to supporting the conference. The books are generally for elementary students, and include mostly non-fiction in science and social studies, some fiction, and some dictionaries and encyclopedias.

Swap Table

Chances are good you’ve collected a host of reusable bags, water bottles, and other paraphernalia from other conferences and environmental organizations. What’s one person’s trash is another’s treasure. Trade what you don’t want for something you do. The system is simple...take one, leave one.

green features

The conference is purposefully designed to include green features as a model to schools. Look for the following at the conference:

- The conference facilities are built to LEED standards and are models of sustainability
- Local foods and music will be featured at the reception
- Flash drives will be provided to attendees with conference proceedings, handouts, and other materials uploaded to minimize paper use
- Hybrid buses from WKU Parking and Transportation Services will provide transportation
- A “take one, leave one” swap table will be set up for reusable bags, bottles, and other items
- Recycling and composting bins will be provided throughout the conference.

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