Education for Sustainability Summer Institute 2011

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, at 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 many 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 thinking 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.

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
- Rob Tipton, Facilities Manager, of Service One Credit Union

Conference Planning Committee:
- Nancy Givens, Sustainability Programs Development Coordinator, Center for Environmental Education & Sustainability
- Jeanne 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 Cundy, Associate Professor, School of Teacher Education
- Dr. Vicki Stetson, 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
Exhibitors’ Hall and Poster Sessions – Room 1003
10:00 am – 11:50 am Interactive Sessions
1) Creative Journalism, Dr. Bill Hammond – Room 1002
2) Geo-Caching, Dr. Kay Cundy – Room 1003
3) Action Gardens for Sustainable Sanitation, Jim Embry – Room 1001
11:50 am – 12:00 pm Break
- Move to Mass Media & Technology Hall (MMTH)
12:00 pm – 12:30 pm Lunch – Generously provided by MMTH Apparel
- Refreshments provided by MMTH Apparel, and others from MMTH
1:00 pm – 2:00 pm Opening Session – GRH Auditorium
- Remarks by Dr. Terry Wilson, director and Nancy Givens, Sustainability Programs Development Coordinator, Center for Environmental Education & Sustainability
- Break – Return to GRH
2:00 pm – 3:10 pm Concurrent Session 1
- SESSION B: Encouraging Sustainability Ideas with Mammouth Cave Field Experience, Dr. Karin Haz, Cheryl Messinger, and Lauren Bell – Room 2002
- SESSION C: The KUPEE Energy Initiative: A Partnership with Earth Force, Dr. Terry Wilson, Dr. Joe Iuliano, and others from KUPEE – Room 2007
- SESSION D: Practical Approaches to Sustainability via Community Engagement, Laura Loach and Rachel Dooly – Room 2000
2:10 pm – 3:05 pm Concurrent Session 2
- SESSION A: THE RED EARTH – looking to nature for a way forward, Claude E. Stephens, Bethany Forest – Room 2002
- SESSION B: Global Climate Change: International Collaborations through STEM and the Dr. Stephen Phillips Museum and the LaHayre Henry – Room 2003
- SESSION C: The Ethical Challenge of Sustainability and the Institute for Citizenship and Social Responsibility (ICS) Programs, Dr. Eric Bann Selbo Room 2002
- SESSION D: Enhancing Student Learning and Retention with Community Partnerships, Dr. George Kenne – Room 2005
3:10 pm – 4:05 pm Concurrent Session 3
- SESSION A: INSIGHTS ON RESILIENCE: ways to build community and create more resilient schools, Dr. John Wick and Carol Norton – Room 2005
- SESSION B: Infusing Sustainability Ideas Into an Elementary Science Methods Program Learning, Dr. Brian Sullivan – Core Room 2005
- SESSION C: Actions to Create a Culture of Engaging the Entire Community in EFS, Christian Ryan-Downing – Room 2006
4:10 pm – 5:05 pm Concurrent Session 4
- SESSION A: INSIGHTS ON RESILIENCE: continuation – Room 2002
- SESSION B: Tour Guide Classroom and Wind/Habitat Development / Growing Gardens, Patricia Swobal, Deborah Sherley, Kandy Fricke, and Lisa Jenkins Room 2007
- SESSION C: Effects of Change and Generosity through KSR 101 Courses, Christian Ryan-Downing – Room 2003
- 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 – Service One Credit Union 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) “Building that Teach”: Tour of Richardsville Elementary net zero energy school, WKU-PBS Learning about efficient of the site, ALFIRE Solar instals, and others from WKU
2) “Outdoor Learning Centers”: Tour of WKU farms, WKU campus – “Hole in the ground”, day care garden, herb gardens, and Parker Bennett Cary Elementary School/Unvald Pond
Project Learning Tree Certification Program (for K-4) – Room 2003
PES: an award-winning environmental education program designed for lesson plans for all grades and subject areas. Facilitated: Robin Hume and Kandy Fricke
12:00 pm – 12:45 pm Lunch – MMTH Atrium
12:45 pm – 1:00 pm Break – Arrive to GW
1:00 pm – 2:00 pm Primary Session – GRH Auditorium
- Introduction to speaker by Dr. Terry Wilson
- Engaging the Entire Community in EFS, Dr. John Wick, Professor Emeritus at Florida Gulf Coast University
2:00 pm – 2:10 pm Break
2:10 pm – 3:05 pm Concurrent Session 5
- SESSION B: A Review of Sustainability-themed Children’s Picture Books, Rosanne Spencer – Room 2001
- SESSION C: Adapting the Earth Force Model at WKU’s McMoore Field Campus, Steve Spencer – Room 2003
- SESSION D: WKU Habitat for Humanity Green City – A Model for Engagement and Partnerships, Nancy Givens and Rodney Goodman – Room 2006
4:10 pm – 4:30 pm Closing: door prizes – GRH Auditorium
Interactive Sessions
Creative Journaling
Kathy educators will be given a moment to reflect on their personal interactions and explore ways to bring creativity into their teaching and learning environments.

Global Climate Change Information Collaborations Through STEAM: As we move forward, we explore how these collaborations can be used to engage students in meaningful discussions and actions around climate change and sustainability.

Concurrent Session 2
World in 2050: What Will the Earth Look Like? This session will focus on the global impacts of climate change and how we can work together to create a sustainable future for our planet.

Concurrent Session 3
Sustainability and Solutions: A Global Perspective This session will provide an overview of the challenges and opportunities facing our world and how we can work towards a more sustainable future.

Concurrent Session 4
Solutions for a Sustainable Future: The Role of Individual Action This session will explore how small actions can make a big impact in creating a more sustainable world.

Keynote Speakers
Dr. Rosalyn McKeown is the Secretary for the UNESCO Chair on Reorienting Teacher Education in Adaptable Sustainability and Food Director of the Center for Geography and International Urban Planning at the University of Texas. She is also the principle author for the Education for Sustainable Development Toolkit, Revised Edition, 2011. Dr. McKeown has published widely and is a frequent presenter at various conferences, workshops, and training initiatives.

Special Events
Field Trips (choose one) 1. Developing a Teacher at Riceville Elementary School, first net zero energy school in the country; tour the WMU 570 program will be met by the staff of the school 2. The Lake Renard: Learn how to build walls and use building material for education and sustainability. 3. This session will focus on the development of key sustainability skills for students.

Bonfire: A Review of Sustainability Themes Pictures Book, dessert, and soft drinks. The book will show a variety of topics related to sustainability.

Adopting the Earth Forest Model at WVU (Mitchell 2014) Field Trip will be guided by Dr. Brian Sullivan, Associate Professor of Education, WKU.

Or visit:
Project Tree Counting – Trees are an essential part of our environment. A field trip to a forest will be arranged for this visit.

A "take one, give one" table will be set up to distribute information and promote our mission.

Book: For students from Undergraduate books will be on site and a display of selected children's books that focus on environmental design, sustainability, and best practices in education and sustainability.

Sustainable Resources
Jennica Savoy, MBA student, WKU. The goal of this class is to explore the range of renewable energy sources available for education and sustainability.

Thomas Chasteen, former Gator Academy student, Sustainability indicators as a guide to local city planning.

Exhibitors & Posters Hall
Exhibitors
Bellingham Green Women’s Habitat for Humanity Center for Environmental Education and Sustainability Karama, Nepal, WKU. This session will provide an overview of the challenges and opportunities facing our world and how we can work towards a more sustainable future.

Gardens, Patricia Sowell, Kandy Fear, Debbie Sherfey, Linda Jenkins Outdoor classrooms provide an opportunity for students to see and experience the intimately rich ecosystems. They are a role that allows educators to teach hands-on activities to integrate all disciplines. Learn about outdoor classrooms in your community, how to create them, how to pay them, and how to develop and run through nature educators for education.

Changing Effect and Growing Sustainability through ICSR 301 Courses, Dr. Kay Gandy The presentation will be an experiment itself in how best to communicate the challenges of our daily lives.

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