

# 2011 Program Descriptions

(In Alphabetical Order)

## Track Key:

Community Partnerships

Curriculum Integration

Design and Construction

Innovative Programs and Practices

School Grounds Enhancement

School Sustainability

## 7 Steps to Special Event Recycling - Patti Hammond, Solid Waste Authority of Palm Beach County

Community Partnerships

Learn seven easy steps to a successful special event recycling program for your school.

## A Happy Earth - It's in Our Hands - Marcia Fay & Michele Rothacker, Coconut Creek Elementary

Curriculum Integration

Showcasing how students researched the use of plastic and paper recycling, created a multi-media presentation, and partnered with a local Publix to promote environment awareness.

## ACE Mentor Program - Gary Pirtle, ACE Mentor

Innovative Programs and Practices

Explore this program where Architect, Engineer, and Construction professionals work through projects with secondary students that mimic actual design/construction projects and highlight career paths in the industry.

## Architects in the Making, AIM Leadership Summer Camp - Valerie J. Amor, AIA Fort Lauderdale C.O.T.E.

Innovative Programs and Practices

The AIM Leadership summer camp for 8-14 year olds focuses on developing the next leaders in architecture through the use of sustainable design principles for the built environment based on environmental stewardship, economic justice and social community building.

## Because Pixels are Cheaper than Bricks: Leveraging Technology in Construction - Kevin Kendellen, Suffolk Construction

Design and Construction

Virtual design and construction practices are quickly becoming a standard tool for gaining efficiency in the construction industry. Today, a variety of technology-based deliverables are utilized in order to avoid additional costs and provide better quality.

## Bringing Back the Love of Learning - Jeannine Tilford, World of Wildlife

Curriculum Integration

The Love to Learn program identifies potential areas for 'hands-on' experiential learning. This program also provides resources that will allow you to unlock creative potential in both yourself and your students.

## Broward County Schools Recycle - Notosita Austin, Broward County Government

School Sustainability

Broward County Public Schools has a comprehensive recycling program which targets mixed office paper, newspapers, corrugated cardboard, aluminum and steel cans, and plastic bottles.

## Building & Renovating Schools for Maximum Efficiencies - Scott Ranck, Florida Public Utilities

Design and Construction

This presentation will give best practices for new construction including LEED and ENERGY STAR Standards. Everything from the envelope to equipment will be considered. Explore low hanging fruit for energy savings in existing schools.

## Climate Science Investigations: South Florida - Alana Edwards, Julie Lambert, Ph.D, Florida Atlantic University

Curriculum Integration

A new, online Climate Change Science curriculum that is currently under development will prepare students to engage in informed decision-making. We are seeking interested teachers to view the site and pilot with their students next year. Web-based Climate Change High School Science resources will be provided.

## Create 2 Educate, Choose 2 Reuse - Connie Christman, Walter Drew, Ph.D, & Carolyn Vickey, Resource Depot

Innovative Programs and Practices

Learn about a resource/reuse center: its operations, procedures, partnerships and program integration in schools.

## Creating a Nature Trail - Maria Small, Marsh Pointe Elementary

School Grounds Enhancement

Learn how to enhance your school grounds by adding a Nature Trail. Learn the phases to create a nature trail at your school that will enhance not only the school grounds, but also provide opportunities for students to learn through observations and hands on experiments.

## Creating Wildlife Habitats Using Native Plants - Kristi Moyer, FAU/Pine Jog Environmental Education Center

School Grounds Enhancement

Learn the importance of wildlife habitats and how to create them at your school. Explore the endless educational opportunities that can be created for the students at your school as well as the benefits for children learning in the outdoors.

## Curing the Environment, One Pair at a Time - Adam Levine, Shoes for the Cure

School Sustainability

Teach the community how to recycle all types of footwear while giving back to many local charities. We have partnered with the Palm Beach County School District for two years with much success.

**Daylighting Control using Electro-chromic Glass –**  
*Frank D'Aprile, SageGlass*

**Design and Construction**

SageGlass allows users to adjust visible light levels in any space at any given time. The SageGlass and Electronic Control can be used manually or fully integrated with Building Energy Management Systems.

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**Decentralized, Sustainable Urban Farming –**  
*Michael Madfis, Fort Lauderdale Vegetables*

**Innovative Programs and Practices**

This presentation will describe and define decentralized sustainable urban farming. In this era where we talk of sustainability and healthy eating, local food production should be incorporated in all schools.

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**Facility Optimization: From Design Through Operation-**  
*Jeffrey Conley & Joseph Snider, SEQUIL Systems*

**Design and Construction**

Learn how the commissioning process can influence building design to achieve the goal of operational excellence for buildings.

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**Florida-Friendly Resources that Can Help Your Schools Achieve Green Status -**  
*Laura Sanagorski, UF/IFAS Cooperative Extension*

**Community Partnerships**

Discover the Florida-Friendly Landscaping program and recognition process and its with educational opportunities. The free and low-cost services available may help schools and classrooms to achieve Green Status will be described. Some key publications will be introduced.

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**From Club to Classroom - How Green Initiatives become Instructional Opportunities -**  
*Petra Britton, Don Estridge High Tech Middle School*

**Curriculum Integration**

This presentation demonstrates how ideas inspired and practiced by environmental clubs can be translated and adapted for use as a science or math elective.

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**Gardening for Grades -**  
*Lisa Gaskalla, Florida Agriculture in the Classroom*

**Curriculum Integration**

Gardening for Grades is a new curriculum that guides teachers how to plant and use a school garden to teach the core subject areas of language arts, math, science, and social studies.

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**Getting Alternative Energy into your School and Secondary Science Classes -**  
*Josh Clearman, Key West High School Alternative Energy Center*

**Innovative Programs and Practices**

Solar arrays, biodiesel, and wind turbines have a role on a high school campus which can be tied to significant learning gains in science classes, along with energy savings. We have integrated Honors Physics with renewable energy, and installed over \$200,000 worth of projects.

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**Going Green in an Urban Setting -**  
*Badi Oliver, Roosevelt Middle School*

**Curriculum Integration**

The challenges of changing an urban school into a green school are diverse and complicated. This session will address the concerns and will present solutions and new ways of thinking.

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**Green Building Concepts in the Curriculum -**  
*Daniel Meeroff, Ph.D., Florida Atlantic University*

**Curriculum Integration**

Green building concepts in the curriculum allow students to transition from purely academic work to solving actual problems in a “real-world” setting and becoming active participants in designing sustainable solutions for the built environment.

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**Green Schools at the State and National Levels: FL Green School Awards and Network and the Green Ribbon Program-**  
*Greg Ira, FL DEP Office of Environmental Protection*

**Innovative Programs and Practices**

Learn about the statewide Florida Green School Awards program that recognizes green initiatives in schools. Conservation efforts by participating schools have generated substantial cost savings for schools and districts. Also learn about the “launch” of the new Florida Green Schools Network!

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**Green Schools Recognition Program Workshop –**  
*Susan Toth, FAU/Pine Jog Environmental Education Center*

**Innovative Programs and Practices**

All public and private K-12 Palm Beach County Schools can be a part of this program that recognizes schools for taking a holistic approach to going green. Incorporating school ground enhancement, resource conservation, curriculum connections and community involvement with a school-wide commitment and focus on sustainability.

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**Green Your School for Fun and Profit! -**  
*Lawrence Clark, Sustainable Performance Solutions LLC*

**School Sustainability**

This presentation will address a process to implement low or no-cost energy audits into schools by engaging all the stakeholders, including the students as part of the project team. This results in an energy conservation plan for the school and a rewarding learning experience for the students.

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**Greening Existing Schools Project Management Guide -**  
*Linda Smithe, US Green Building Council, SF Chapter*

**Design and Construction**

Review the Green Existing Schools Project Management Guide to help schools and school districts green their existing facilities. Presentation will outline the process for navigating LEED Certification and detail how to conduct organizational assessments, educate and train staff, initiate the process, and manage a campus plan.

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**Greening FAU: Sustainable Learning, Building and Living -**  
*Jill Rosen & Glenn Thomas, Florida Atlantic University*  
**Design and Construction**

FAU is fostering "green" academic, physical, geographic and cultural interconnections for itself and its international community. The university's "Mission Green" extends from FAU's grades preK-12 schools and programs through undergraduate, graduate, certificate and lifelong learning programs.

**Green Schools Panel -** *Laurie Mecca, Pine Jog Elementary, Melissa Turner, Roosevelt Middle, & Lisa Zern, Jupiter Middle*

**Innovative Programs and Practices**

Panelists from some of Palm Beach County's top Green Schools will highlight programs and projects that earned them "Green School" recognition.

**Greening the Curriculum in the Schoolyard -** *Mary Jo Aagerstoun & Leo Urban, EcoArt South Florida*

**School Grounds Enhancement**

Greening the schoolyard should be the rule and not the exception. This presentation will show creative examples of outdoor classrooms around the world that enrich the curriculum while transforming asphalt to shady, creative learning centers.

**Growing a Green School Culture: Everyday Sustainability -**  
*Paul Strauss, School District of Palm Beach County*

**School Sustainability**

Learn practical steps to implement school-wide sustainability initiatives and create a more pervasive green school culture. Topics include waste reduction, recycling, energy and water efficiency, "green" fundraising, and enhanced indoor air quality.

**Growing Up Green -** *Patricia Bagan, Fred Barch, Laurie Mecca, & Susan Playe, Pine Jog Elementary*

**Innovative Programs and Practices**

Pine Jog Elementary grows leaders in fine arts, science and sustainability. Through art, performances, involvement in recycling programs, and unique clubs, students blossom into agents of change. Learn how you, too, can plant seeds for the future.

**Growing Up WILD: Exploring Nature with Young Children -** *Lori Haynes, Florida Fish and Wildlife Conservation Commission*

**Curriculum Integration**

Growing Up WILD connects young children to nature through a range of activities & experiences, providing an early foundation for developing positive impressions about nature, and lifelong social and academic skills. Participants will engage in sample activities.

**Growums - Add a Little Character to Your Garden -**  
*Christina Sweet, Growums*  
**Community Partnerships**

Growums teaches students how to grow their own food with themed garden kits such as pizza, tacos & more. Each kit represents characters that come alive on the Internet, giving you classroom videos every 10 days from seed to harvest.

**Highschool Students + Scientists = Success -** *Sue DeBlois, Ft. Pierce Westwood High School - Marine and Oceanographic Academy*

**Innovative Programs and Practices**

Learn about Marine and Oceanographic Academy, a marine and oceanographic science focused high school academy provides hands on opportunities for students working in lab and field settings with research scientists.

**How to Trade a Paper Clip for a House -** *Teresa Trumble-Thomas, Beth Paul, parents & students, S.D. Spady Elementary*

**Innovative Programs and Practices**

Learn about our greatest green successes & our newest ideas, including effective ways to build support & gather evidence through staff development, creative strategies for planning & goal setting with all stakeholders, and some innovative ideas that integrate student learning with community service.

**Implementing a K-5 "Green Lab" Curriculum -** *Chris Addonizio & Kris Swanson, Poinciana Elementary*

**Curriculum Integration**

Poinciana Elementary School has added a new lab to their STEM Magnet program - The "Green Lab". Teachers behind this program will discuss K-5 integration with the NGSSS, practical (and cheap) lessons and projects, and share helpful resources.

**Initiate Green Strategies -** *Cindy Papadoyianis, Innovative Green Strategies, LLC*

**School Sustainability**

Want to get started on Green School projects but not sure where to start? Help has arrived! Innovative Green Strategies consulting service can provide you with strategies to help you succeed.

**Learning Green at the Palm Beach Zoo - Tours of the Nation's First LEED Certified Zoo Animal Hospital -**  
*Kelly Miller, Palm Beach Zoo*

**Community Partnerships**

Learn how the Palm Beach Zoo can enhance your science curriculum and assist you in meeting your NGSSS goals through enriching and educational programs at our LEED certified Animal Care Complex - home of the nation's first LEED certified zoo animal hospital.

**Lifestyles of Butterflies in the Garden** - *Alana Edwards, Florida Atlantic University*

**School Grounds Enhancement**

Learn everything you need to know about butterflies (rated PG-13) and what plants you need to attract them.

Butterfly resources will be given out on a first-come-first served basis.

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**MicroGardening** -*Melanie Falkowitz & students, Academy for Positive Learning*

**School Grounds Enhancement**

Microgardening creates a green space within the community. Vegetables are grown in a small space without the use of synthetic pesticides. The soils hold moisture thereby conserving water. Come learn how we do it!

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**Mini Math/Science Fair: Shrink the Waste and Support the Rigor** - *Linda J. Petuch, Pine Jog Elementary*

**Curriculum Integration**

This green approach to Mathematics and Science Fair participation enables teachers and students to use the prescribed procedures of The Scientific Method to conduct research, experiments, survey, collect and record data while presenting a smaller version for display, presentation, and sharing. Participants will receive information necessary to implement this type of fair at their school.

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**NatureScape Program** - *Victor Suarez, NatureScape Program*

**Community Partnerships**

Learn how the School Board of Broward County and the Broward County Board of County Commissioners have formed a partnership to increase tree canopy, conserve water, reduce non-point source pollution, connect and reconnect individuals with nature.

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**NOOK in Education** - *Michelle Riggs, Barnes & Noble*

**Innovative Programs and Practices**

Barnes & Noble has been and will always be a partner committed to the growth and education of our students and the community. Learn how to enhance reading experiences, achieve learning outcomes, and read forever with 1 book for 1 NOOK.

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**Palm Beach School Construction Panel Discussion** – *Jim Carmill, Sharon Swan & Michelle Andrewin, School District of Palm Beach County*

**Design and Construction**

Learn about the Palm Beach County District's plans to build four LEED-certified schools within the next three years. Take part in discussions about local and minority business participation programs and revisions to the selection processes.

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**Partnerships in Energy Conservation & Recycling: How Schools Can Earn Money** - *Lee Kapp, School District of Palm Beach County*

**School Sustainability**

Learn about energy and water conservation measures employed by Palm Beach County School District, things that school-based personnel can do to reduce consumption and associated costs, as well as discover the monetary incentive programs offered to public schools in Palm Beach County.

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**Reading Green** - *Jennifer M. Stine, Unity School of DeRay Beach*

**Curriculum Integration**

This session presents a variety of age-appropriate books and interactive green lessons that can be easily associated in the classroom. Teachers and parents will find it simple to integrate environmental studies using a plethora of literary resources to introduce, engage, and educate.

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**Reading, Writing, and Sustainability** - *Suzanne Schluter & Amanda Zachritz, City of West Palm Beach*

**Curriculum Integration**

Having students learn outside enhances almost any lesson. Learn how to bring the outdoors into any subject area.

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**Reduce, Reuse, Recycle**-*Alexandra Perard, Eco Falls, Inc.*

**School Sustainability**

Eco Falls desires to promote sustainability by eliminating the consumption of water in plastic bottles. Learn how Eco Falls has launched green, eco-friendly fundraisers with public schools throughout South Florida.

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**Regenerative Design Projects** - *Michael Singer Studio - Jason Bregman, Michael Singer Studio South*

**Design and Construction**

This presentation will cover a range of innovative environmental regeneration projects by the artist and designer Michael Singer and his Studio, including local projects such as the West Palm Beach Waterfront and South Cove. See what is possible with an integration of art, design and environmental regeneration.

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**Renewable Energies** - *Clint Sockman & Danny Stokes, Advanced Roofing*

**Design and Construction**

Learn about Photovoltaic Power Systems: A guide for design, construction and administration professionals. This resource covers all aspect of building integration including: site survey and selection, technology selection, design, roof, integration, and utility interconnection.

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**Repurposed and Reused: Learning Green Through Contemporary Art** - Elizabeth D'Antonio, Rod Faulds, University Galleries, Florida Atlantic University

**Curriculum Integration**

Join the FAU University Galleries as they showcase how your students can "learn green" through contemporary artists who use recycled materials in their work. The session will culminate in a hands-on project, which will demonstrate how contemporary art can be incorporated into "green" classroom curriculum in a fun and engaging atmosphere.

**School Gardening: Reasons and Rationale for Growing Child-Centered Gardens** - Amy Wagenfeld & Erica Whitfield, School District of Palm Beach County

**Community Partnerships**

Through a partnership between the SDPBC and occupational therapist Amy Wagenfeld, participants will explore why multi-sensory interaction with nature-based education enhances development and learn how Palm Beach County is striving to make school gardens places for all children, regardless of age or ability.

**SchoolPool and Green Transportation for Schools** - Lauren Finke, Jim Udvardy, & Sabrina Glenn, South Florida Commuter Services, & Pamela Santucci, Walking School Bus

**School Sustainability**

Transportation is responsible for 1/3 of the nation's greenhouse gas emissions. Learn how your school can help decrease GHG's by offering alternative transportation options through the Florida Department of Transportation's SchoolPool Program.

**Schoolyard Films - Environmental Films for Schools for Free!** - Glenn Allen & Tom Fitz, Schoolyard Films

**Curriculum Integration**

Schoolyard Films provides environmental films for the classroom for FREE. The 10 - 30 minute films include Study Guides to fully explore the environmental topics presented. Instructors can lead activities and discussion topics that expand on the film's themes.

**Schoolyard Wildlife** - Lori Haynes, Florida Fish and Wildlife Conservation Commission

**Curriculum Integration**

The Schoolyard Wildlife Project is an environmental education program for educators of K-8 students. Learn how to turn school grounds into effective outdoor classrooms. Also, see how to incorporate Florida's natural history into your curricula to teach environmental awareness, problem solving, basic biology and ecological principles.

**Sea Turtles: Ocean Travelers, Florida Natives** - Evan Orellana, Loggerhead Marinelifelife Center

**Curriculum Integration**

Sea Turtles are an important part of Florida's coastal ecology. Come join the Loggerhead Marinelifelife Center as we learn about these amazing, yet endangered animals, and how you can bring the science and wonder of sea turtles into your classroom.

**Secrets to Success: Tips for Putting together your Green Schools Application** - Melissa Turner, Roosevelt Middle Innovative Programs and Practices

The application for the Green Schools Recognition Program can seem daunting to those just getting started. Our goal is to give you simple tips for making sure your school looks as green on the application as it does in the hallways.

**Slow Gardening - Growing Good Clean Food at Your School!** - Scott Lewis & Jason McCobb, Slow Food Glades to Coast

**School Grounds Enhancement**

Create a school garden that is good for the environment and produces food that your students will enjoy! We will share tips from our Slow Food garden grants, Slow Food Glades to Coast Snail edible garden award, and Farmer J's Junior Sprouts program.

**Solid Waste Authority's Education Outreach Program** - Lana Blackman & Linda Moreno, Solid Waste Authority of Palm Beach County

**Community Partnerships**

Learn about the programs being offered by the Solid Waste Authority. Programs focus on the education of the concept of Reduce, Reuse, and Recycle. Also, learn about our volunteer and community service programs.

**Solid Waste Authority's Plastics Sorting Lab** - Brian Elkins, Solid Waste Authority of Palm Beach County

**Curriculum Integration**

Through a hands-on activity, come learn about a lab program available for free through the Solid Waste Authority that teaches about density through recycling.

**Sustainability, A People Problem** - John Banting, Hedrick Brothers Construction

**Design and Construction**

At the essence of the sustainability crisis we will not find buildings or transportation as the central issue. Instead we realize that we, the human race are the core of the problem, but have the great opportunity to be the solution.

**Teaching Green and Getting Dirty** - Carlos Acosta & Tim Sacshe, Atlantic High

**Innovative Programs and Practices**

This presentation focuses on the innovative Construction Academy at Atlantic Community High School. Come hear how the school's Construction Academy is building a "green" house from the ground up.

**Teaming Up for Green Schools** - Suzanne Haerther, US Green Building Council, FGC Chapter

**Community Partnerships**

The LEED EB is the US Green Building Council's LEED Rating System Existing Building Certification. This program will share successes and what we would do differently when this project is repeated. Find out where Green Schools are headed for the Florida Gulf Coast Chapter with the Green Schools Innovation Grant.

**Techniques to Improve Your School's Green Organization** - *Eric Wagner, Spanish River High*

**Innovative Programs and Practices**

Need ideas for starting a "green" club or organization at your school? Or possibly new ideas for the current initiative? Learn details of the successful methods of Spanish River High School's Environmental Club.

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**Testing Energy Performance by Creating Virtual Buildings using Revit** - *Eugene R Fagan, Palm Beach State College*

**Design and Construction**

Create a virtual building - Test its energy performance and sustainability before it is built. Using Revit software different design options can be reviewed for best value in a cost vs. efficiency equation.

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**The Earthman Project** - *Lanny Smith, The Earthman Project*

**Innovative Programs and Practices**

Using music, the arts, and the web to educate and inspire children to protect the environment. This session will entertain, and educate on using the arts to activate your students.

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**The Fairchild Challenge: Celebrating Nature, Cultivating Minds, and Inspiring Action** - *Netiva Kolitz, Fairchild Tropical Botanic Garden*

**Innovative Programs and Practices**

The Fairchild Challenge is an annual, standards-based, multidisciplinary environmental education outreach program offered free to schools. Students participate in various engaging projects and competitions, while earning points for their school. Schools reaching the annual point goal receive the Fairchild Challenge Award, top schools receive cash prizes. All participants are celebrated!

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**The Greenest School in the Galaxy! Galaxy 3E** - *Joseph Schneider, Galaxy Elementary, & Thorn Grafton, Zyscovich Architects*

**Design and Construction**

Learn about the Green features and curriculum that has Galaxy Elementary striving to become the first LEED Platinum School that features building design, sustainable features and a curriculum-focused on the environment, energy and engineering.

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**The Healing Garden and Other Things** - *Stephanie McCrate, Elizabeth Isner, Shayna DeRuysscher, & Haley Waggoner, Jupiter High*

**Innovative Programs and Practices**

Join Jupiter High School Green Team students for a presentation on the implementation of Jupiter High School's Green Initiatives, featuring the Therapeutic Healing Garden, our "Green Tuesday" Public Service Announcements, and Project FLUSH.

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**The Real Dirt on Clean & Healthy Classrooms**- *Bob Gentile, Natural Solutions LLC*

**Innovative Programs and Practices**

Asthma rates in children under age five have increased more than 160% from 1980-1994. Common cleaners give off fumes, which can potentially increase the risk of children developing asthma and impair their learning abilities. Learn how green solutions can improve classroom health.

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**Under the Weather** - *Gabriole Van Bryce, Dream in Green*

**Innovative Programs and Practices**

Global climate change is creating historic and challenging scenarios for future generations. As educators, how do we prepare K-12 students now for what may be a very different natural world in their lifetimes? In the face of dramatic ecological changes, how do we teach for adaptability, creative problem-solving and hope?

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**Urban Metabolism Model for University of South Florida** - *Sadia Ahmed, Patel School of Global Sustainability, University of South Florida*

**Curriculum Integration**

The concept of urban metabolism uses analogies between the socio-technological system of cities and the metabolic processes of biological organisms to provide a tool for analyzing, planning and realizing sustainable urban development. This model can be used as a sustainable indicator and tool for urban design and policy analysis.

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**Water Ambassadors** - *Eric Gehring, Arthur R. Marshall Foundation*

**Curriculum Integration**

The Marshall Foundation is pleased to unveil a new educational program for schools grades 5-12, designed to engage students in the protection and conservation of water. We will demonstrate some of the program's activities and concepts.

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**What do Albert Einstein, Simon and Garfunkel, John Roebing and Steven Martin Have to Do with STEM?** - *Robert J. Kobet, The Kobet Collaborative*

**Curriculum Integration**

Much attention has been given to the importance of STEM in securing our student's place in tomorrow's competitive world. Take a look at famous lessons learned. Attendees will be challenged to examine current STEM education trends and the role they could play in enriching the STEM educational delivery process.

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**Whole-School Sustainability: Aligning Design, Operations, and Curriculum** - *Brian Dunbar, Institute for the Built Environment*

**Design and Construction**

The combination of green school design, sustainable organizational behavior, and aligned educational goals sets the stage for green schools to become significant teaching tools. Five LEED certified schools, which promote sustainability through building design, operations, and curricula, create a roadmap for communities looking to create meaningful green schools.

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