

P₃ Eco-Challenge Awards Ceremony

May 11, 2016

4 - 7 pm

Long Key Nature Center • Davie, Florida





The Broward P₃ Eco-Challenge is a multi-divisional and organizational effort between Broward County Public Schools (BCPS), Broward County Environmental Planning and Community Resilience Division, and the Environmental Conservation Organization. A P₃ Committee, represented by members from these organizations was formed to create and implement this wonderful initiative to recognize and reward our schools, teachers, students, administrators, and non-instructional individuals for their many efforts to learn about and implement environmentally sustainable measures and green initiatives within our schools and communities.

There are two areas of recognition: The P₃ School Challenge and the P₃ Stewardship Recognition. The school challenge entails demonstrating participation in or implementation of different sustainability metrics based on a rubric composed of six comprehensive categories: School Grounds Enhancement, School Sustainability, Curriculum Integration, Community Involvement, Administrative Support, and Innovation.

The P₃ Stewardship Recognition rewards teachers, students, administrators, and non-instructional individuals who show evidence of promoting civic responsibility, environmental stewardship, and education of environmental issues. The metrics of this category include: Awareness and Involvement, Current Professional Development/Affiliation, Instructional Soundness/Creativity, and Skill Building.

P₃ Committee

Dr. Jennifer Jurado, Director, Broward County Environmental Planning and Community Resilience Division. Staff Members: Mark Trewartha, Robert Rudolph, Victor Suarez, Kimberly Mayo, Maena Angelotti, and Rose Béchard-Butman

Guy Barmoha, Director, BCPS Math, Science and Gifted Department. Staff Members: Dr. Lisa Milenkovic, Dr. Marilyn Johnson, Rebecca Malones, Rosie Bencivenga, Collet Woolley, Erik Leitner, Dr. Carla Rody, and Tracy Colucci

BCPS Environmental Health & Safety Department: Robert Jindracek, Mitchell Talmadge, and Ed See

Ed Hinline, Director, Business Applications, BCPS Information and Technology Department. Staff Members: Sally Han, Carmelita Resh, Charlene Collins, Andrea Barton, and Carol McGovern

Environmental Conservation Organization: Dawn Miller-Walker – Science Eye, Andy Roberts – Youth Environmental Alliance; Steve Weinsier, Ariel Elazar – Allstate Resource Management; and Robin Reccasina – Sawgrass Nature Center and Wildlife Hospital

P₃ Eco-Challenge Awards Ceremony

Program Agenda

Reception and Nova Middle School Jazz Band Performance

Opening remarks

Charles Webster, Governmental Affairs Coordinator, BCPS Public Information Office

Welcome

Beam Furr, Broward County Commissioner, District 6

Patricia Good, School Board of Broward County, District 2

Laurie Rich Levinson, School Board of Broward County, District 6

Introduction

Dr. Jennifer Jurado, Director, Broward County Environmental Planning and Community Resilience Division

Keynote Speakers

Sheri Potter, Director of Community and Stakeholder Engagement

Association for Women in Science

Izabela Burns

Student Stewardship Awards

Guy Barmoha, Director, BCPS Math, Science and Gifted Department

Educator Stewardship Awards

Robin Reccasina, Andy Roberts, Dawn Miller-Walker

Environmental Conservation Organization

Non-Instructional Stewardship Award

Robin Reccasina, Andy Roberts, Dawn Miller-Walker

Environmental Conservation Organization

School Awards

Guy Barmoha, Director, BCPS Math, Science and Gifted Department

Individual Categories

All Categories

Closing Remarks

Thank you Long Key Nature Center for hosting the P₃ Eco-Challenge Awards Ceremony!



About Long Key Natural Area & Nature Center: At 164.8 acres, this site is one of the largest natural areas managed by Broward County Parks and Recreation. As recently as a century ago this elevated oak hammock was part of a series of islands surrounded by Everglades marshes. Long Key encompasses some of the most significant archaeological, historical, and ecological resources in the county, as the area was inhabited by the ancient Tequestas and the more modern Seminoles.

Long Key's magnificent live oak hammock has served as an important habitat for wildlife and is one of the largest remaining stands of upland hardwood forest in Broward County. Typical trees found in the hardwood forest include live oak, red bay, paradise tree, strangler fig, and the occasional cabbage palm and gumbo limbo. Among the diverse plants you can see are many species of epiphytic bromeliads and ferns that abundantly line the limbs of the oaks. Additional features include a 14-acre orange grove, a remnant of a once-active citrus industry; restored wetland marshes, which have become a haven for a variety of migratory and resident birds; several man-made ponds and canals; and, an active bird roost/rookery. The site is also a refuge for butterflies and a variety of mammals, including foxes and bobcats.



More information on this park can be found at broward.org/Parks



Southeast Regional Envirothon

The Southeast Regional Envirothon is an annual competition in which high school teams demonstrate their knowledge of environmental science and natural resource management. The competition is centered on five universal testing categories: Aquatic Biology, Forestry, Soil & Land Use, Wildlife and a Current Issue topic that changes every year. Winners from the regional competition advance to the Florida Envirothon, and then the state winner advances to the national event, North American Envirothon, that includes the U.S.A. and Canada. All three levels have cash awards and other prizes. The next regional competition will be on February 15, 2017 at Quiet Waters Park. Visit Eco-tan.org for more information about participating in the Envirothon.



SHERI POTTER

Ms. Potter is the Director of Community and Stakeholder Engagement for the Association for Women in Science (AWIS), the leading advocate for women in science, technology, engineering, and mathematics. As a Project Manager for SciStarter, Ms. Potter implements a collaborative program to bring citizen science to classrooms with NASA's GLOBE initiative and NWF Eco-Schools program.

Sheri worked at the American Institute of Biological Sciences launching the Leadership in Biology initiative, Coalition on the Public Understanding of Science (COPUS), ActionBioscience.org and Year of Science 2009. She has served on many STEM-related advisory boards; locally, she works the Girl Scouts of Gulf Coast for Florida.

Ms. Potter and her two daughters are active participants in biomedical

research to advance research in type 1 diabetes and autism. As citizen scientists, Ms. Potter, with her daughter and Girl Scout troop, has made major contributions to local and national ecological scientific research programs.

IZABELA BURNS



Izabela Burns is a seventh grade student at Brookside Middle School in Sarasota. A natural scientist, she participated in her first research project at Stanford University in a twin study and diabetes research through the University of Florida, and University of South Florida. "Izy" is now developing her brand as the "Girl Scout Scientist" to earn her silver award in Girl Scouting. Through this project she was one of the first NASA SMAP participants, has become a GLOBE trainer, and was featured for her work in a White House presentation. She is currently working to achieve her Girl Scout gold award.



CHARLES WEBSTER – EMCEE

Charles Webster is Governmental Affairs Coordinator for Broward County Public Schools. Charles participates in advisory boards and is an active participant in the Take Stock in Children program. Charles is a former instructor in Florida Atlantic University's Microenterprise Business Program.

Charles earned his BA and his MBA from Nova University. He is a member of the National Black MBA Association and a member of the Board of directors of the Greater Fort Lauderdale Alliance. Together with his wife Carol, Charles founded Privileged Communications, Inc., an independent publishing company where they published Dr. Webster's books on success. He also produced and directed **Success!** a weekly cable access show celebrating the success of community leaders and students.

Educator – Elementary School

Tara Dukanauskas
Karen Gonzalez
Ruth Griffith
Amanda Labuda
Melanie McLeod
Lisa Scott

North Andrews Gardens
Silver Ridge
Lake Forest
Peters
Palm Cove
Sheridan Park

Educator – Middle School

Grisel Berrios
Nibia Cedenio
Linda Gancitano
Barbara Humphreys
Monique Mitchell-Eames
David Reese Jr.
Carolyn Sant Angelo

Walters C Young
Apollo
Driftwood
New River
Millennium
Apollo
Tequesta Trace

Educator – High School

Jody Berman
Jeannine Grossi
Vincent Newman
Cynthia Nowicki
Robert Reinertsen

South Plantation
Cypress Bay
McArthur
Whispering Pines School
Piper

Student - Elementary School

Yamila Diaz
Nathanael Lully

Hollywood Park
Royal Palm Elementary

Student – Middle School

Brennan Doak
Gabriel Garmendia
Diya Jayram
Danel Le Roux
Lindsey Pardon
Bianca Pineros
Julie Telleria

New River
Apollo
Walters C Young
Pioneer
Pioneer
Tequesta Trace
Apollo

Student – High School

Juan Cabrera
Theresa Fonseca
Kendra Perkins
Ronaldo Adain
Daniel Ramirez

South Plantation
Cypress Bay
South Plantation
Whispering Pines School
McArthur

Non-Instructional

Michael Helton
James Sanderson
Daniel Imbriale
Dave Skula

Pioneer Middle School
New River Middle School
Gulfstream Middle School
McArthur High School

Schools

Bright Horizons Center
Driftwood Middle School
Griffin Elementary School
Lake Forest Elementary School
Liberty Elementary School
Lyons Creek Middle School
Maplewood Elementary School
McArthur High School
New River Middle School
North Fork Elementary School
Northeast High School
Ramblewood Elementary School
Royal Palm Elementary School
Silver Shores Elementary School
Silver Trail Middle School
South Plantation High School
Tequesta Trace Middle School
Walter C Young Middle School
Westglades Middle School
Whispering Pines School
Wilton Manors Elementary School
Wingate Oaks Center

Thank you
Dr. Carla Rody,
Whispering Pines
and South
Plantation High
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beautiful
centerpieces and
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CHILDREN AGES 3-11



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21940 Griffin Road Ft. Lauderdale, FL 33332



National Wildlife Federation Salutes the Broward P3 Eco-Challenge Honorees!

NWF applauds the efforts of Broward County schools, administrators, teachers, students, and volunteers to carry out green initiatives and environmental stewardship. Because of your efforts, Broward County has been recognized as a 2014 U.S. Dept. of Education Green Ribbon School District as well as a P3 Eco-Challenge Awardee.

For more information on how NWF's Eco-Schools USA program can help you reach your sustainability goals, please visit www.nwf.org/eco-schoolsusa.



Eco-Schools USA
eco-schoolsusa.org
NATIONAL WILDLIFE FEDERATION®



Hazen and Sawyer is proud to support the **P3 Eco-Challenge Awards.**

We provide sustainable and innovative **environmental solutions** that protect the public health and the environment.

Hazen

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Connecting Our Community

Strong communities are made of caring individuals linked together to accomplish a common goal. Strong communities are made of people just like you.

JM Family applauds

P₃ Eco-Challenge schools, teachers, students and staff

for linking our community together.



JM FAMILY
ENTERPRISES, INC.





South Florida Audubon Society is proud to be a sponsor of the 4th Annual

P₃ Eco-Challenge

We continue to support conservation, sustainability, environmental education and provide effective advocacy for the citizens of Broward County.

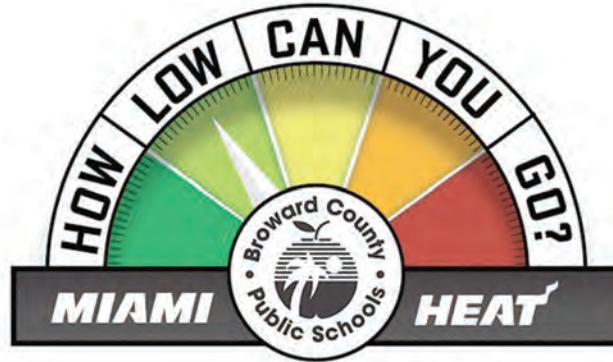
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Miami HEAT Teams Up with Schools to Reduce Energy Consumption via “How Low Can You Go?” Initiative

MIAMI – For the third consecutive year, the Miami HEAT has challenged Broward County Public Schools (BCPS) to find innovative ways to reduce energy consumption at each campus. Through the greening initiative titled “How Low Can You Go?” the team enticed the schools to raise environmental awareness of CO₂ emissions and educate the facilities about potential financial savings through responsible energy consumption. The HEAT rewarded Deerfield Park Elementary, the winning school, with on-court recognition during an Orlando Magic versus HEAT game. Second and Third Place schools also received honorable mentions during the game.

Deerfield Park Elementary won with the greatest percent of reduction of 32%. Second place went to Pembroke Lakes Elementary with 29% reduction, and third place went to Riverside Elementary with 24% reduction. The most KWH reduction was from Plantation High School -193,794 kWh and a cost savings of \$18,526. The most sustainable school over the past three years went to Seminole Middle School.

Out of the 74 schools that registered for the “How Low Can You Go?” challenge, 27 schools reduced their kilowatt consumption by a total of 1,132,347 kilowatt hours resulting in a savings of \$126,754. The three-year total of reduced kilowatt hours amounts to 3,014,916 saving the Broward County School District \$304,596. The “How Low Can You Go?” challenge was spearheaded by BCPS physical education teacher, Linda Gancitano. Gancitano was recently named a White House “Champion of Change” for enhancing climate education at Driftwood Middle School Academy of Health and Wellness and throughout the BCPS district.



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www.evergladesfoundation.org or call 305-251-0001

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Broward Sierra Group
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Fort Lauderdale, FL 33335
<http://www.sierraclub.org/florida/broward>

Our meetings are at Fern Forest on the
first Thursday of the month, 7:00 PM.



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Professional Development Opportunities

National Wildlife Federation Habitat Steward K-12 - June 20 – 24 (5 Days)
36 points

Participants will learn to implement the NatureScape initiative, achieve Schoolyard Habitat certification through the NWF and strategies for teaching water conservation, urban ecology, and environmental stewardship. The five-day course offers cross-curricular environmental activities that enhance the current science, literacy and math curriculum. Each day of this professional development will take place at a different location, giving the participants a chance to see the many habitats and natural resources in Broward County.

Schoolyard Habitat K-12 June 27 – 28 or August 1 – 2 (2 Days) 16 points

Day 1 – Agriculture Extension Office, Davie

Day 2 – Broward County Park (June 28 – Fern Forest or August 2 – Secret Woods)

This class will provide a curriculum for teaching health, science, language arts, mathematics and social studies. Gardening for Nutrition from Florida Agriculture in the Classroom, Schoolyard Habitat certification through the NWF learning gardens and environmental education in partnership with NatureScape Broward will be covered in two one-day sessions.

For these workshops, please register through My Learning Plan (MLP)

100 Days To Save Water Conservation Contest



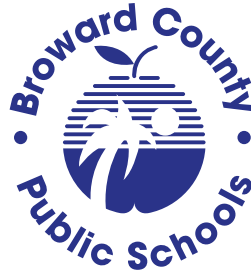
The inaugural “100 Days to Save” water conservation contest was held this year, challenging schools across the District to lower their water usage. The schools had 100 days to reduce indoor and outdoor public-supplied water use at their school, competing with other schools to see which one could conserve the most and win the top prize. The school that had the highest percentage decrease for the 100 day period was the winner. This water saving challenge gave schools points toward their P₃ application; the winner earned a special water bottle filling fountain to encourage students to refill their reusable water bottles.

Congratulations to New River Middle School for winning the “100 Days to Save” contest. Teacher Katie O’Fallon signed the school up for the contest.

New River Middle School had the highest decrease for the contest period compared to last year at 78 percent! Out of the 31 schools that registered for the “100 Days to Save” contest, 16 schools reduced their water consumption. Rounding out the top ten water use reducing schools were: Riverglades Elementary, Dania Elementary, Griffin Elementary, Davie Elementary, Eagle Point Elementary, Coconut Palm Elementary, Driftwood Middle, Stranahan High, and Pasadena Lakes Elementary.

The “100 Days to Save” contest was initiated by NatureScape Broward staff which works alongside District staff to promote water conservation initiatives across the District.





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BCPS Environmental Stewardship

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Environmental Planning and
Community Resilience Division

broward.org/NaturalResources



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P₃ Eco-Challenge

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