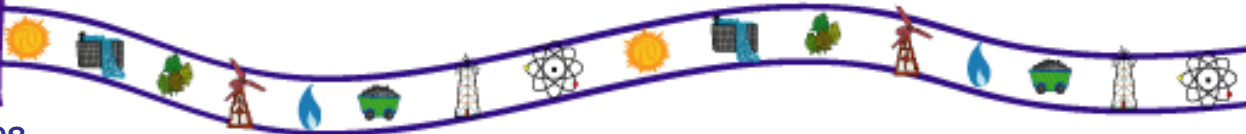




ENERGY ANGLES

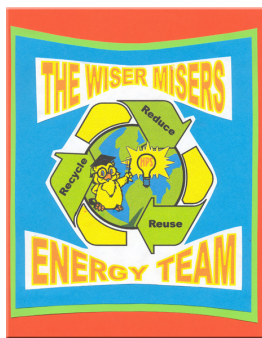
TENNESSEE ENERGY EDUCATION NETWORK
ENERGY POLICY OFFICE—DEPARTMENT OF ECONOMIC AND COMMUNITY DEVELOPMENT



May - June, 2008

GREAT NEWS! TENNESSEE REALLY WHIPS UP ON THE REST OF THE COUNTRY. TWO NATIONAL WINNERS!

The 2008 National Energy Education Development (NEED) projects represented a lot of hard work on the part of teachers and students on eleven projects throughout the state. The teams conducted activities to educate their peers and members of their communities about energy efficiency and energy conservation. The state winners' projects were sent to the national NEED office for competition at that level. The participants in the state competition were as follows (state & national level winners are noted):



National & State Primary School of the Year

Huntingdon Primary School - Huntingdon

Project Advisor: Connie Bond

Student Directors: Wyatt Stokes & Mary Glenys Espey

Project Title: *We All NEED Energy!*

Project Activities: The Energy Misers participated in tours of Natural Gas Co., Electric Co., TVA, Coal Powered Power Plant, and Espey Cotton Gin. They passed out rulers, notepads, and "Tips for a Greener Holiday" to students and teachers. The team recycled a variety of materials at school and at home encouraging students, teachers and parents to do the same. CFL's were promoted by the team at the county fair. They also made re-cycled crafts to enter into the county fair. They raised over \$6700 with their projects and have donated to the PROJECT HELP program for needy families to help pay their electric bills. They also bought CFL bulbs for a Habitat House.



National & State Senior School of the Year

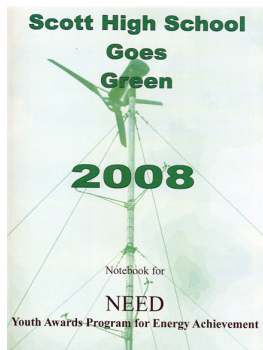
Fayette Academy - Somerville

Project Advisor: Donna Burrus

Student Directors: Savannah Pierski & Sheila Kelley

Project Title: *Lighting the Future*

Project Activities: One project of the Fayette Academy Ecology Club was the distribution of 2700 CFL bulbs via various community events and programs. They also set up a successful recycling program at their school. They helped raise community awareness of the importance of saving energy by reaching 600,000 newspaper readers in the greater Memphis area. Their school put into place their first energy policy by presenting an energy audit to establish baselines for saving energy. They also requested adoption of the LEED standards for new construction. The Club is conducting energy education sessions in their school.



National Finalist Senior School & State 2nd Place Senior School of the Year

Scott High School - Huntsville

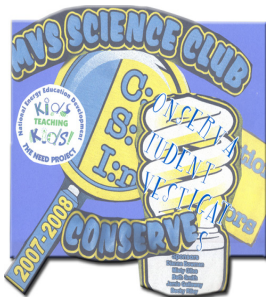
Project Advisor: John Cannon

Student Director: Cassandra D. Byrge

Project Title: *Scott High School Goes Green*

Project Activities: Students in the Technology Engineering Program developed and implemented a comprehensive school recycling program. They increased the battery storage and monitoring capabilities of their solar energy system. Instead of just making biodiesel in the lab, they decided to make larger quantities. Working with their new Agricultural Education teacher, and with funding from a Perkins Grant, they purchased equipment to allow them to produce enough fuel to use in the school tractors and possibly some buses for field trips.

Earlier this year, the team got a wind turbine from TVA and is now working on testing the turbine and erecting a 105-foot tower.



National Finalist Junior School & State Junior School of the Year

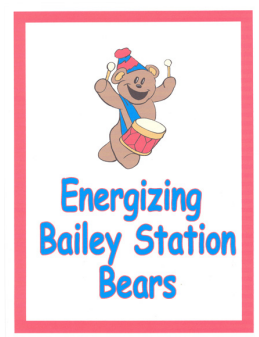
Mountain View Elementary School - Etowah

Project Advisor: Becky Riley

Student Directors: Benjamin Riley, Macy Trotter, Chelcee Peel, Dominique Mayfield

Project Title: *CSI: Conservation Student Investigators*

Project Activities: The MVS CSI spied on the "energy hogs" and converted them into "green machines" by recycling all paper products, ink cartridges, and aluminum cans in the school. They had three schools compete in their 5th Annual Energy War. The 1st Annual Photo contest for energy hogs or conservers photos were taken by students and families. The MVS received the "Friend of Conservation" award by Soil Conservation officials for educating the community about energy conservation. They participated in Arbor Day by planting trees at their homes and wrote articles for the school newspaper about energy savings.



State Elementary & Rookie Elementary School of the Year

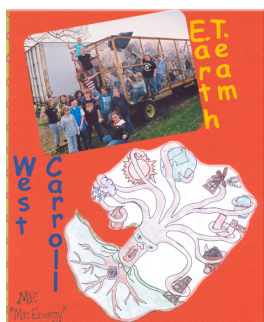
Bailey Station Elementary School - Collierville

Project Advisors: C. Hall, H. Kubitz, & M. Ferrante

Student Directors: Rachel Hall & Colin McLeod

Project Title: *Energizing Bailey Station Bears*

Project Activities: Their project involved students in before and after school enrichment classes which gave them the opportunity to design and explore electric circuits. The team worked with local community groups to educate others about recycling. They collected, identified, and organized materials for recycling. Another project was the school wide science fair focusing on energy that was open to parents and the community. The students participated in hands-on science lessons that taught the science of energy and the role of energy in their daily lives. They obtained grants to fund energy activities in the science lab and for future hands-on experiences.



2nd Place State Elementary School of the Year

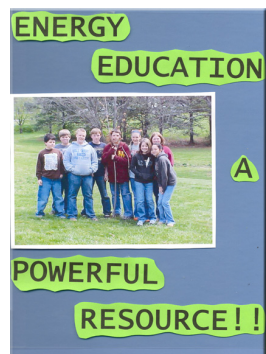
West Carroll Elementary School - Trezevant

Project Advisor: Lori McClain

Student Directors: Lane Lusk & Morgan Lawrence

Project Title: *Starting Local and Working Statewide*

Project Activities: The E. T. (Earth Team) decorated sacks with environmental facts and made business cards with local recycling locations for local business to use. They created energy awareness boards to display at the Carroll County Fair. Out of crushed aluminum cans they made snowman ornaments and put energy fact cards on each one. The tab pulls were donated to St. Jude's Children's Hospital. Three recycling trailers were set up in the area to use with signs telling that the money went to St. Jude and "Project Help". They also created an energy character - "Me" Mr. Energy - "You don't want ME after You!"



2nd Place State Junior School of the Year

West Carroll Elementary - Trezevant

Project Advisor: Martha Vann

Student Directors: Kelsey Arnold & Ally Suite

Project Title: *Energy Education - a Powerful Resource*

Project Activities: The "Power Players" made and placed posters in all WCSSD schools and in the community to encourage participation in the 3rd annual DAY IN THE DARK. Using the Tennessee State Curriculum they prepared materials for 3rd grade teachers. They also collected and distributed energy related materials for grades 4-6. Energy related activities were conducted in the 6th grade Science classrooms and an energy puzzle coloring contest for the 3rd grade. Students conducted an energy audit of their school and formed an Energy Patrol to encourage energy saving practices. They set up an energy demonstration and handed out pamphlets at the WCES Fall Festival. The Power Players dressed in energy costumes for the Christmas Parade. Energy information was shared with parents during Parent-Teacher conferences. Energy tips for provided for the school newsletter. Recycling proceeds were donated to St. Jude Ronald McDonald House and the West Carroll Relay for Life 2008. They designed and created an energy quilt to be auctioned at TEEA.

State Rookie Junior School of the Year

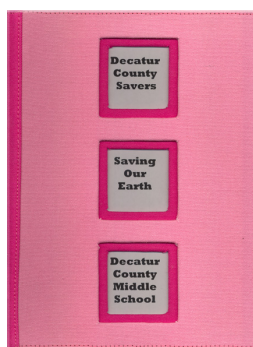
Decatur County Middle School - Parsons

Project Advisor: Judy Tucsnak

Student Directors: Lucinda Carrington, Emily Martin,
Megan McGee, Sarah Wright

Project Title: *Saving Our Earth*

Project Activities: The "Decatur County Savers" held a Parent Involvement Night to encourage energy savings. Students gave away CFL bulbs as doorprizes. The "Savers" had the school and parents recycle paper, ink cartridges and cell phones. The money raised was used to purchase CFL light bulbs. To show how to reduce landfill, they used old Christmas cards to make cards for families, coffee creamer containers to make snowmen, and worked with preschoolers to make bird feeders out of laundry detergent bottles. They worked in a greenhouse and in return taught others how the plants help clean the air. Students prepared posters to promote energy savings around the school and in their community.



Other NEED Participants

Honorable Mention

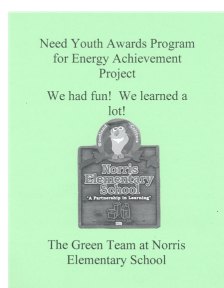
Norris Elementary School - Norris

Project Advisor: Kathy Mohrman

Student Directors: Matthew Longmire, Matthew Wilson, Brandon Hendrick

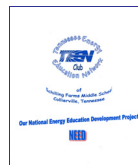
Project Title: *The Green Team*

Project Activities: The Norris Elementary Green Teams worked to increase energy awareness through various projects in their school. They also improved the "car line" to save fuel.



Germantown Middle School
Germantown

Project Title: Planeteers



Shilling Farms Middle School
Collierville

Project Title: TEEN Club



Workshop to Help Teachers Prepare Students for Careers in Bio-Technology

Tennessee State University (TSU) and the Memphis Academy of Science and Engineering (MASE) have joined forces to offer a professional development workshop for Tennessee 6-12 Science, Technology, and Environmental teachers. The workshop, entitled "Preparing the Workforce for the 21st Century Global Agriculture," will be offered in two locations during the month of July, 2008. The first workshop will be held July 10-11 at TSU campus in Nashville and the second one will take place July 14-15 at the MASE campus in Memphis.

The workshop participants will learn about new jobs and careers involving industrial biotechnology and clean energy technology. Topics include biotechnology & genetics, environmental issues, water resources, biobased products and biofuels. Funded by a grant from USDA, the workshop, meals and all materials will be provided free to Tennessee teachers. There will be hands-on sessions, an opportunity for collaboration and new ideas, and all teachers will receive curriculum enhancement materials. Travel and lodging will be the responsibility of the teachers and/or their school systems. To read more, visit www.21stcenturyageducation.com.

For registration or more information, contact Hillary Spain at hspain@biodimensions.net or (901) 448-1724.

Schools going to Washington, DC

HUNTINGDON PRIMARY SCHOOL
BAILEY STATION ELEMENTARY SCHOOL
MOUNTAIN VIEW ELEMENTARY SCHOOL
WEST CARROLL ELEMENTARY SCHOOL
FAYETTE ACADEMY
SCOTT HIGH SCHOOL

For the 28th Annual NEED Youth Awards Energy Achievement
National Recognition Ceremonies

For more information about how your school can become a NEED school, call the
Energy Hotline at 1-800-342-1340.

Check out our latest issue of Energy Angles in color and the TEEN Awards Luncheon photographs on
our website at:

http://www.state.tn.us/ecd/energy_teen.htm

Energy Efficiency Improves Air Quality

ENERGY ANGLES

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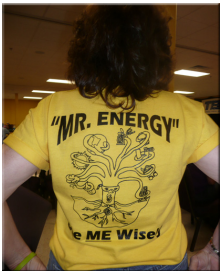
18th Annual Awards Luncheon



TEEN hosted the 18th Annual Energy Education Awards Luncheon on May 6th in Nashville. Awards were presented to winners in the annual bookmark and placemat design contests and the National Energy Education Development (NEED) Youth Awards for Energy Achievement competition.

The overall theme of the luncheon was "It's An Energy Fiesta" complete with all the Mexican cuisine. There were approximately 150 in attendance.

Our "warm-up" to the luncheon was making "Junk-Mail Jewelry". Students made necklaces to take home and perhaps give to Mom for Mother's Day.





Fayette Academy



West Carroll Elementary



Scott High School



Mountain View Elementary

NEED Award Winners



West Carroll Elementary



Bailey Station Elementary



Decatur County Middle School



Norris Elementary School



Chyrell Dawson
&
Mrs. Carson

Thanks, Rick!



Huntingdon Primary School

**** All photos are courtesy of State of Tennessee Photo Services.**