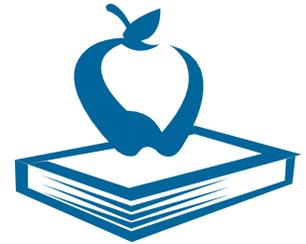


# CONQUEST

*“Capture your students love of learning about the environment”*



Fall 2009

## Kelly's Korner

Happy Autumn Educators! I feel comfortable saying that since we've seem to had such a cooler than normal summer! Now that school's back in, I'd like to share some information with you. First of all, I am still available to come to your school or classroom and do an educational activity or lesson with your students. **The programs and services continue to be free.** I have added another new program, called Migration Mania—it's about animal migrations, habitats, and environmental and human impacts on migrations. The lesson includes educational posters and an activity. Please email me or give me a call to set up a program or borrow a trunk. I also want to share some educational information with you. Interested in a grant? The **Toyota TAPESTRY Grants for Science Teachers** is now accepting entries for the 2009-2010 competition. The program offers grants of up to \$10,000 to K-12 teachers for innovative science projects that enhance science education in their school and/or district over a one-year period. Fifty large grants and a minimum of 20 mini-grants totaling \$550,000 will be awarded this year. Individual science teachers or a team of up to five teachers can submit proposals in one of three categories: physical science application; environmental science education; and integrating literacy and science. Visit <http://www.nsta.org/pd/tapestry/>. Applications must be submitted no later than January 18, 2010. ~Kelly



## A Greener Wayne Co. Fair!

This year the Fair will be offering a new and greener option for it's guests They are going green ~RECYCLING! Please take a moment & talk to your students about the importance of recycling & the environmental impacts that trash & landfills have on the Earth. We need help stressing the importance of recycling & actually doing this at school and in real life. Also, if you see a fair board member, please thank them for making the effort to become environmentally responsible! YEAH!



Look for the bins!

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### Important Dates:

- ✓ Sept. 12-17 Wayne County Fair
- ✓ Sept. 22-24 Farm Science Review
- ✓ Sept. 24 County Land Judging Competition
- ✓ Oct. 1 District Land Judging Competition
- ✓ Oct. 12 Columbus Day
- ✓ Nov. 11 Veterans Day

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### **DID YOU KNOW?**

If every American household recycled just one out of every ten HDPE bottles they used, we'd keep 200 million pounds of the plastic out of landfills every year.

## Soil is not Dirt!

Nearly all antibiotics used to fight our infections are obtained from soil organisms.

Hopefully you will get a chance to visit our fair building (by the covered bridge & across from the chicken BBQ) during the week of the Wayne County Fair. If you do, you'll notice our theme is all about soil! Come on in & learn that there's a lot of life in soil. Did you know that Ohio is home to more than 400 different types of soils? Yes, there are types of soils—having different properties. This is important to farmers, home-owners, builders and gardeners. You can also learn more about how to improve soils—what the N-P-K stand for, and how to properly use fertilizer. If you missed us during the fair, and would still like some educational handouts, I would be happy to email them or mail them to you. Just let me know what I can do & I'll try to accommodate your needs. I also offer a soils program, geared towards the 3rd grade science standards. Call or email me to set up a date for a program. By the way, N is for Nitrogen, P is for Phosphorus, and K is for Potassium, or Potash. All are important nutrients in soil.

## Learn online about the Plastiki Expedition

Anyone interested in the environment would LOVE to check out this website! Please take the time and go to <http://www.theplastiki.com>. You will love the educational information and facts listed on the site. So you ask, **What is the Plastiki?** *A handpicked crew of adventurers, scientists and creatives are to sail across the Pacific on the "Plastiki" - a 60 ft. catamaran made from reclaimed plastic bottles. Their mission is to beat waste by inspiring sustainable solutions and to highlight the ecological damage being done the world's oceans.* Students can follow the journey ~ and learn along the way! This amazing journey has not yet started—as far as I know—the ship hasn't launched yet—so make plans to follow it online. Over 12,000 soda bottles are going to be used to keep the boat afloat!



The Plastiki ~ Made w/ recycled materials & plastic bottles.

## Save the Date ~ HS Teachers

Mark your calendar now. After the fair ends, the FFA teams will compete on September 24th in the County **Land Judging Competition**. This year Smithville FFA & Tony Stoller are hosting the event. One week later, will be the District Land Judging Contest—being held in Wayne County with Dale Sidle of Triway HS coordinating the event. **FSR**—This is another wonderful event—showcasing environmental and agricultural practices. I agree it is a drive—over 2+ hours, located in London, Ohio—but it is well worth the trip. Teachers looking to educate their students on the importance of agriculture to Ohio's economy have the opportunity to take a field trip to Ohio State University's **Farm Science Review**. OSU personnel will be offering tours during the three-day show for rural and urban school systems and home-school environments. Farm Science Review will be held Sept. 22-24 at the Molly Caren Agricultural Center in London, Ohio. Full show agenda and other information is available at <http://fsr.osu.edu>.

## Poster Contest Winners



Elana Yoder



Mark Miller



Keeton Purvis



Denise Wolf



Keene Purvis



Curtis Yovichin



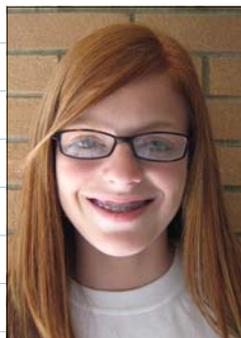
Keegan Purvis



Olivia Steiner



Eileen Gress



Liz Lendrum

The Wayne Soil and Water Conservation District is pleased to announce the winners of the 2009 Conservation Poster Contest. The contest was open to any Wayne County student in grades K-12. First and second place winners were chosen in five grade categories this year with a theme of "Dig It, Secrets of Soils."

The first and second place winners, grades K-1, were Elana Yoder, and Mark Miller both from Mrs. Taylors first grade class at Fredericksburg Elementary. The first place winner for grades 2-3 was Keeton Purvis a second grader from Parkview Elementary taught by Mrs. Zerrer. Denise Wolf a second grader at Shreve Elementary won 2nd place. She is in Mrs. Prost's class. Keene Purvis, a sixth grader at Parkview Elementary in Mr. Harbaugh's class, won 1st place in the 4-6 grade category while Curtis Yovichin, sixth grader from Elaine Miller's class at Central Christian Middle School placed 2nd. Keegan Purvis, seventh grader at Wooster High School, placed first in the 7-9 grade category and Olivia Steiner, seventh grader from Central Christian Middle School, Mrs. Miller's class. Eileen Gress and Liz Lendrum, tenth graders, and both from Mr. Sidle's class at Triway High School placed 1st & 2nd in the 10-12 grade category.

Each winner was awarded a cash prize and a certificate from the Wayne SWCD. For nearly 32 years, the district has sponsored this contest to instill in youth an appreciation for the environment. Students are encouraged to express their ideas in an artistic manner. All of the winning posters advance to the area level judging to qualify for the state level. At the Area II level, Keeton, Keene, and Keegan Purvis and Eileen Gress all won 1st place, but did not advance at the State level. We are proud of all of them!

**The posters will be featured in the Wayne Soil & Water & Wayne Co. Recycling Building at the Wayne County Fair Sept. 12th - 17th. Thanks to all of the teachers for making conservation work with art, and for entering the posters!**

If you missed out on the 2009 Poster Contest, be sure to look in the Winter Edition of CONQUEST for information about the 2010 Poster Contest. Entries are typically due the 1st week of May!

# CONSIDER CONSERVATION!

The following FREE Presentations can be scheduled by calling the Wayne SWCD office.

- ◆ **ENVIROSCAPE MODEL** (Grades 4-12, 45mins– 1hr.) Visually explains point & non-point source pollution on a watershed. Students get a hands-on demonstration of the effects of water run-off, & then learn how they can improve the watershed with conservation practices. Excellent for any environmental lesson.
- ◆ **FREDDIE THE FISH** (Grades K-4, 30-45mins.) Students get a visual understanding of the effects of pollution on “Freddie”(a sponge in a jar) as they are told about his journey downstream. Human impact on water and the importance of clean, healthy water is taught.
- ◆ **LIVING SOIL PROFILE** (Grades K-5, 45mins—1hr.) Students learn how soil is formed and discover the properties of soil. Intro & 3 different learning stations with hands-on soil smudge, rock rubbing, & coloring a soil profile are all covered.
- ◆ **INCREDIBLE JOURNEY** (Grades K-6, 30-45mins.) Students learn about water on earth, it’s value & the water cycle. They act out the cycle of a water droplet as they travel to different locations. Best if done outdoors, or in a large area.
- ◆ **TREE-MENDOUS TREES** (Grades K-6, 30-45mins.) Build a tree from the inside out (Heartwood to Bark) with your students! They will learn the value of trees, along with the forms and functions of the parts of a tree. Needs a big space.
- ◆ **BIRDS & BEYOND** (Grades K-6, 45mins. –1hr.) Students learn about birds, habitat, and conservation as they learn with Audubon toy bird replicas. They learn what makes a bird a bird, why birds are important & listen to over 25 bird songs.
- ◆ **MIGRATION MANIA** (Grades 2-6, 30-45mins) Reinforces definition of habitat. Discussion on why and what animals migrate, then an activity on bird migration. They learn the effects of humans have & the importance of habitat preservation.
- ◆ **TONY THE TRASHBAG** (Grades 2-6) Students learn the impacts of litter as they act out the movement of a plastic bag, and find out how it effects the whole environment., including harming animals. (Similar to Incredible Journey program) *Teachers can request a power point slide show that corresponds to the lesson presented.*
- ◆ **OUTDOOR EDUCATION** Call & schedule us to do a program or help out at your outdoor event. From fishing & stream studies to outdoor educational lessons, we can assist you & your school, or simply provide you with information or materials to borrow. Don’t forget to check out the loaner educational kits. ANY program can be modified to fit!

The following Educational Trunks can be loaned out for a 2-3 week period.

**Celebrate the Harvest A-Z Kit** (Grades K-3) This trunk covers farming, agriculture & Autumn harvest. It contains lessons, posters, photos, books, videos, and toys. Wonderful kit for fall harvest or supplement to farming & agricultural lessons.

**Birds & Beak Adaptations Trunk** - This trunk has all the materials you need to do the “Fill the Bill” educational activity. Students learn eight different types of beaks & how each is adapted to feed on different foods. Also includes educational bird CD’s, books & information.

**For Heaven SNAKES!** The snake trunk comes with a boa constrictor hand puppet, books & videos. Great for a whole unit!

**RAINFOREST Teacher Trunk** Talk about a treasure trunk! This educational trunk contains a macaw parrot puppet, along with a lot of educational books, stories, videos, and lesson plans. Wonderful kit to supplement a unit.

**TREE Trunk—MISSING! Please help find.** Clear Rubbermaid tote with books, videos & a set of rubber leaf stamps—all about trees. Was NOT returned in 2008—please contact me if you have this or know where it might be. Thank—You. ~Kelly

**STREAM Stewardship**—This trunk has a preserved macroinvertebrate collection, the Save Our Stream manual, water quality books, lessons, and videos. Great for an “indoor” stream study.

**Animal Tracks Kit**—This trunk contains animal track molds for 10 different animals with directions on how to use plaster of paris, or make stamps & comes with field track guides. Makes for a great art project too!

**Honey Files Video & Teachers Guide** (Grades 4-6) Complete w/ lessons & a video on honeybees. (Also available online)

**Take Me Fishing** - Need fishing poles for your outdoor program? We have a set of 18 quality poles, and tackle boxes.

The Wayne Soil & Water Conservation District, 428 W. Liberty St. Wooster, Oh 44691 (330)-262-2836

Contact Kelly Riley, Education Specialist Email: [Kriley@wayneoh.org](mailto:Kriley@wayneoh.org)

Check out the WEBSITE: <http://www.bright.net/~swcd/>