

**2006 TSTA Conference and Professional Development Institute
Sheraton Music City Hotel, north of Nashville International Airport
Pre-Conference Workshops on Thursday, November 16, 2006
Main Conference on Friday and Saturday, November 17-18, 2006**

Pre-Registration Form

TSTA, the state's largest science teacher organization made up of K-12 and higher education teachers, is offering a series of sessions that will provide instruction in science content standards areas that meet the intent of No Child Left Behind by going beyond what the teacher is required to teach.

The following workshops are available by pre-registration only. Pre-registration forms and Early Bird registration are due no later than November 1, 2006. Fees must accompany the pre-registration form. You must also register for the conference in order to attend these special workshops. PLEASE NOTE: THERE ARE NO OTHER SESSIONS BEING OFFERED ON THURSDAY EXCEPT THE ONES LISTED BELOW. THE MAIN CONFERENCE DOES NOT BEGIN UNTIL FRIDAY, NOVEMBER 17, 2006.

**Amount
Due**

- _____ Early Bird Member Registration Fee (\$55) (*Pre-service students--\$30*)
- _____ Early Bird Nonmember Registration Fee (\$75)
- _____ TSTA Membership (\$20) (*Pre-service students--no charge*)
- _____ On-Site Member Registration Fee (\$70) ***This registration fee does not include TSTA membership dues.***
- _____ On-Site Nonmember Registration Fee (\$90)
- _____ Saturday Awards Breakfast (\$20) 7:00 a.m.-9:30 a.m.

The first 600 early paid registrants to the conference will receive a complimentary Friday luncheon on site.

Thursday Sessions (Pre-registration only) November 16, 2006 (Please note additional charges)
Each session has a minimum of 15 participants and a maximum of 35 participants.

Hours for each workshop are 9:00 a.m.-4:00 p.m. with 12:00-1:00 p.m. being lunch on your own.

_____ **Earth Science for Grades 3-12 Teachers (\$50)** *Instruction will be focused in the area of plate tectonics Plate tectonic major concepts, classroom materials, manipulatives, rock specimens, inquiry lessons and more. Contact Ann Holmes at Ann-Holmes@utc.edu for more details..*

_____ **Linking Literacy and Science for Grades K-5 Teachers (\$40).** Focus on strategies for integrating science and literacy in the K-5 classroom. This pre-conference session will focus on strategies for integrating science and literacy in the K-5 classroom. The morning session will focus on reading comprehension strategies, inquiry-based science implementation strategies, and resources for science-based trade books to integrate the two subject areas. In the afternoon, activities linking reading and science will be conducted. Each participant will receive a packet of information, sample lesson ideas, and a science-based trade book used during the workshop. Fee: \$40.00 Presenters: Dr. Kristin Rearden, Asst. Professor, Science Education Dr. Amy Broemmel, Asst. Professor, Literacy Education

_____ **Energy and More for Grades 4-9 (\$25).** This workshop provides content information and learning activities that address standards for energy and earth resources in grades 4-9. Construct a circuit that uses a solar panel as the power source, make a model wind turbine, learn about the latest developments in renewable and alternative energy sources, plus a lot more. This workshop will provide content information and learning activities that address Standards for Energy and Earth Resources grades 4-8 and Standard 4.0 Energy for Secondary Physical Science. Participants will receive complete instructions and materials for activities and demonstrations as well as CDs with PowerPoints ready for the classroom. Workshop presenters are Ramona Nelson, Energy Education Specialist for the Tennessee Energy Education Network and Rick Carson, engineer and manager for TVA's Renewable Energy Program. Fee includes workshop, handouts and materials, and a copy of the book, *Energy: Stop Faking It! Finally Understanding Science So You Can Teach It*, by Bill Robertson. Contact Ramona Nelson at Ramona.Nelson@state.tn.us for more information.

_____ **Physical Science for Grades 4-8—Home and School Science Activities (\$40).** Forces and motion, gravity, air pressure, hands-on activities, inquiry process and improvement in science teaching methods. Participants receive 2 resource books, materials packet & lesson plans. Contact Bernard Horvath at bgrizwald@aol.com for more details.

_____ **TnSELA—Tennessee Science Educators Leadership Association- Leaders—Addressing the Need for Scientific Preparedness (\$50)** The Tennessee Science Education Leaders Association invites school administrators, principals, and science teacher leaders to attend a 6-hour TSTA pre-conference session dealing with questions that are being raised across the nation about the preparedness of students to perform productively in science-related industries and businesses when they enter the work force. Presenters will inform us about what is needed in science related industries in order to keep our country competitive in a global economy and then follow-up with "how-to's" for preparing students to meet these needs. Registration includes a one-year membership.

_____ **Environmental Science Activities for Middle School (\$25)** Come explore *Project Learning Tree* and learn how your school can participate in Tennessee's own *Green Schools Program*. PLT offers a variety of activity based lessons for grades K-8. We will focus our attention on those lessons that align to grades 4-8 Tennessee Science Curriculum Standards 2, 3, 5, 6, 8, and 10. Participants will receive the Project Learning Tree K-8 Environmental Education Activity Guide and an introduction to the Green Schools Program. Dress comfortably. This is an "active learning" workshop! We may even step outside for some of our activities (weather permitting). For more information, contact Tamara.Coleman@state.tn.us

Friday Pre-register Only Sessions, November 17, 2006 (no additional charge)
Each session has a minimum of 15 participants and a maximum of 30 participants.

_____ **A New Day in the Chemistry Lab for grades 9-12.** 8:00 a.m.-11:00 a.m. Tailored especially for chemistry teachers who had their legacy lab chemicals disposed as part of TDEC's School chemical Cleanout Campaign. All chemistry teachers are welcome to attend. Session covers essentials of lab safety, chemical storage, management, disposal, and more. Contact Ken Nafe at ken.nafe@state.tn.us for more details.

_____ **Flying Wild for grades K-8** 1:00-4:00 p.m. Project CENTS is back! Join Tamara Coleman, the new Project CENTS director, as she trains teachers in the use of this new program about birds. The lessons and activities have been aligned to state standards. **Participants must be present for the full three hours in order to receive the Flying Wild book and materials.** For more information contact Tamara Coleman at Tamara.Coleman@state.tn.us

_____ **TOTAL AMOUNT DUE (Make checks payable to TSTA.)**

NAME: _____

ADDRESS: _____ CITY _____ ST _____ ZIP _____

COUNTY _____ PHONE (_____) _____

SCHOOL: _____

SCHOOL ADDRESS: _____ CITY _____ ZIP CODE _____

SCHOOL SYSTEM _____ PHONE (_____) _____ COUNTY _____

SUBJECT(S) TAUGHT: _____ GRADES CURRENTLY TAUGHT: _____

E-MAIL ADDRESS: _____

_____ STUDENT (PRESERVICE TEACHER, not GRADUATE) _____ TEACHER _____
RETIRED

_____ ADMINISTRATION _____ OTHER (Please Specify: _____)

Mail completed registration form and check to:

Barry Farris, 2133 Williamsport Pike, Columbia, TN 38401
E-mail: farrisb@k12tn.net

Additional information can also be obtained by contacting Pat Carpenter, Program chair, at carpenterp2@greenek12.org.

If you plan to stay at the Sheraton Music City Hotel, you need to make your room reservations by October 17. Ask for the Tennessee Science Teachers Association rate of \$99. Call 1-888-627-7060 for reservations.