

# **The Evolution of Science Education:**

**From so Simple a Beginning ...**

**2009 ISTA Annual Conference**

**Advance Program**

**Peoria Civic Center and Hotel Pere Marquette**

**Exhibit Hall Open: November 12, 2009**

**Conference: November 13-14, 2009**

**Earlybird Registration Deadline: Postmarked by  
October 10th**

## **How Do I Register?**

To register, read through the information for each day's events. This year's conference is jam-packed with great opportunities. We hope you can attend all three days! Fill out the registration form and enclose a check, or write the PO number if you want us to invoice your school. You will receive a registration confirmation as long as your form is received by October 31. When you arrive in Peoria, you can pick up your name tag and other materials at the registration area during the times listed on the last page. Don't forget to make your room reservation as soon as possible, directly with the Hotel Pere Marquette.

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## **Invitation to Peoria 2009!**

The 2009 ISTA Conference Committee is looking forward to an information-packed and fun-filled fall Science Education Conference. The conference theme is "From so Simple a Beginning ..." Breakout sessions and workshops will include physical, life, and Earth/space science topics as well as practical teaching and learning approaches and institutional science issues. The Thursday Exhibit Hall opening, the Friday Luncheon, and the Friday night Gala at the Lakeview Museum offer opportunities to network with colleagues. We hope to see you there!

# Conference Highlights

**Keynote Speaker**  
**Dr. Richard Duschl**  
**Pennsylvania State University**  
**Friday 10AM**

**The 20th Century Parade of Science Education:  
Progress and Its Problems**

Dr. Duschl will discuss how science education during the twentieth century can be characterized by one reform after another. His presentation will examine developments over the last fifty years in cognitive science and philosophy of science that have shaped both what we teach and how we teach K-12 science.

## ISTA Recognizes

the  
**Illinois Mathematics and Science Academy**  
for

**Support of ISTA**  
**Contributions to Science Teaching and Learning in Illinois**  
**Intel Schools of Distinction Winner for Science Excellence**

### New Teacher Awardees

**Loriann M. Gulik-Hoyle**  
J. Sterling Morton West

**Sarah O'Leary**  
Illinois Mathematics and Science Academy

**Michael Fredericks**  
Princeton High School

**Julie Fane**  
Muffley Elementary

**Ashley Henrichs**  
Glenn Raymond School

### Exxon Mobil Outstanding TEachers of Science

**Lisa Brody**  
Park View School

**Lynne Hubert**  
Joseph Sears School

**Carol Schnaiter**  
Amboy Central Elementary School

**Amy Kincaid**  
Shiloh Elementary School

**Charles Simer**  
Woodlawn Grade School

# 2009 Conference Schedule

(tentative)

## Thursday, November 12 - Peoria Civic Center

**4:00 PM - 7:00 PM - Exhibit Hall Open** (includes reception)

## Friday, November 13 - Peoria Civic Center

**8AM - 1:15PM - Noon, 4:30 PM Exhibit Hall Open**

8:00AM - 8:50 AM Breakout Session A

9:00 AM - 9:50 PM Breakout Session B

**10:00 AM - Keynote Speaker**

**Dr. Richard Duschl - Pennsylvania State University**

11:10 AM - 12:00 PM Breakout Session C

12:00 PM - 1:30 PM Lunch

Presentation to the Illinois Mathematics and Science Academy

Teacher Recognition - New Teachers, Outstanding Teachers

ISTA Past Presidents

2:00 PM - 2:50 PM Breakout Session D

3:00 PM - 3:50 PM Breakout Session E

7:00 PM - Gala Lakeview Museum (Dinner and drinks) Cost: \$35 in advance

## Saturday, November 14 - Hotel Pere Marquette

8:00 AM - 8:50 AM Workshop Session 1

9:00 AM - 9:50 AM Workshop Session 2

10:00 AM - 10:50 PM Workshop Session 3

**11:00 AM - Annual Business Meeting-** LaSalle Room

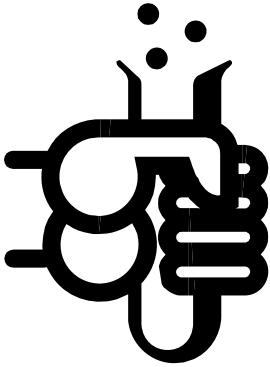
## Hotel Reservations

Make your reservations directly with the Hotel Pere Marquette. Phone them at 1-800-447-1676 (reservations only) or 1-309-637-6555. Be sure to tell them that you are a participant in the Illinois Science Teachers Association Convention to receive the discount rate of \$102.00 (single or double). Make your reservation today. Parking is free. The hotel will offer breakfast for registered guests; ask for information at the hotel registration desk.

## How Do I Get There?

Convention registration, sessions, and exhibits will be at the Peoria Civic Center and the Hotel Pere Marquette, both located in downtown Peoria. The jewel of the Heart of Illinois, Peoria is a thriving city of about 125,000 people. Peoria is centrally located and has a great historic riverfront area, complete with microbreweries, trendy restaurants, and a scenic view of the Illinois River. For Peoria maps and information go to <http://www.peoria.org/>

# Visit the Exhibit Hall!



American Water Works Association – Illinois Section  
Bedford, Freeman & Worth & W.H. Freeman & Co.  
Chicago School Supply  
CPO Science  
Delta Education  
Flinn Scientific  
Fisher Science Education  
Glencoe/McGraw-Hill  
Graphtech Systems  
It's About Time - Herff Jones Education Division  
Lab-Aids, Inc.  
Lakeview Museum of Arts and Sciences  
McGraw-Hill Contemporary  
Nancy Larson Publishers  
National Science Teachers Association  
Pasco Scientific  
Sargent Welch-Science Kit-Wards  
The Scope Shoppe, Inc.  
University of Illinois Extension - Radon Education  
Vernier  
Western Governor's University

## Exhibit Hall Openings

**Thursday 4-7PM**  
*Includes Reception*

**Friday 8AM - Noon, 1:15PM - 4:30PM**

**Prizes available for visiting the vendor booths!**

Room: 134

Subject: General/Integrated Science

Audience: K-3

**Movement to Engage Learners for Science**

Presenter: *Abha Singh, Western Illinois University*

Participants will learn how physical education activities can be used to teach science. Activities will be conducted describing the role movement plays in engaging learners.

Room: 135

Subject: Biology, General/Integrated Science

Audience: 9-12

**Formative Assessments: A Strategy for Increasing Success in the Science Classroom**

Presenter: *Beth Peterson, Highland Park High School*

Through action research in an AP Biology class, increased metacognition via formative assessments was shown to be related to higher summative exam scores.

Room: 136

Subject: Physical Science

Audience: 9-12

**Find the Energy**

Presenter: *John Allen, CPO Science*

Take a ride with force, motion, and energy! Teachers will be able to control variables while investigating Newton's Laws. This will be a hands-on experience.

Room: 200

Subject: Astronomy, Earth Science

Audience: 6-8

**Things That Go Bang in the Sky: Black Holes and NASA's FERMI Gamma-ray Space Telescope**

Presenter: *Walter Glogowski, Ridgewood High School*

The mysteries of deep space, like black holes, are a natural way to engage students in science and astronomy. Teachers participating in this presentation will learn how to use a rich set of NASA educational materials to teach about black holes.

Room: 201

Subject: General/Integrated Science

Audience: K-3, 4-6, Pre-service

**Elementary Science Extravaganza!**

Presenters: *Katie Siemieniec and Tara Mc Donald, Minooka Intermediate School*

Direct from the Exxon Mobil Mickelson Teachers Academy! Learn fun, engaging, and inquiry-based elementary activities. New/pre-service teachers please attend! Freebies!

Room: 202

Subject: Biology

Audience: 4-6, 7-8

**It's All About Food**

Presenters: *Ann Nunan, Science Education*

*Consultant and Retired Teacher; Katherine P. Griffin, International Plant Nutrition Institute; Barbara King, Griffin-Spalding County School System, GA*

This exciting, fast-paced workshop will feature many demos and hands-on investigations: food and plants. Each participant will receive complete lesson plans, illustrated booklets, and a CD.

Room: 203

Subject: Chemistry, Food Science

Audience: 7-8, 9-12

**The Essence of Chocolate**

Presenters: *Yvonne John and Barb Bostrom, Naperville North High School*

Begin the journey with *Theobroma cacao*, and the transformation of the cacao bean, continue with a little chocolate science including current nutritional research, and finish with the role this plant has played in various civilizations.

Room: 209

Subject: General/Integrated Science

Audience: K-12, Pre-service

**An Exploration of Barriers to Teaching about the Nature of Science**

Presenters: *Gary Lyon and Pamela Guimond, Governors State University*

The results of a study to determine high school teachers' perceptions of the barriers they encounter when teaching about the nature of science will be presented.

Room: 210

Subject: General/Integrated Science

Audience: 9-12

**Supervising Teacher Forum**

Presenter: *Sherry Spurlock, Pekin Community High School*

Supervising Teachers will have the opportunity to share experiences about mentoring student teachers in the science classroom.

Room: 211

Subject: General/Integrated Science

Audience: K-12

**Nanotechnology: Why it is the Next Big Idea**

Presenters: *Joe Muskin, Matt Ragusa and Kate Davis, University of Illinois*

Discover how nanoscience will create millions of jobs and change the way we work. See what the buzz is about and get hands-on experience with nanotechnology.

Room: 212

Subject: General

Audience: 7-8

**Developing Inference Skills Using Checks and Dime Store Novels**

Presenter: *Kevin Finson, Bradley University*

We will explore how you can help students refine their inferring skills with the use of activities using bank checks and inexpensive novels.

Room: 213

Subject: Professional Development

Audience: 7-8

**Knowing by Doing or Doing by Knowing: an Emerging Framework for Science Teacher Professional Development**

Presenters: *Vito M. Dipinto, Alan Rossman, and Diane Salmon, National-Louis University*

In this interactive presentation, we share classroom decision-making processes of two middle school science teachers at distinct career points and discuss implications for professional development.

Room: 218

Subject: Environmental Science

Audience: 4-6

**That's Pretty Slick!**

Presenter: *Barbara Sandall, Western Illinois University*  
Participants will be engaging in an investigation and technological design of tools to clean up an oil slick. Come join the fun!

Room: 220

Subject: General/Integrated Science

Audience: 7-8, 9-12

**Enabling Twenty-first Century Science Education**

Presenter: *Jason Carnes, PASCO Scientific*

Delivering authentic twenty-first century science experiences by combining standards-based content and relevant professional development with innovations in modern, electronic measurement.

Room: 221

Subject: Space Science

Audience: 7-8, 9-12

**NASA: Dark Matter**

Presenter: *Janet Moore, NASA and Illinois State University*

Explore dark matter through mathematical reasoning! Find out what it might be, how we measure it, and how we study it. Free NASA materials!

Room: 222A

Subject: Administrative Leadership

Audience: K-12, Administrators

**Science Teaching and Learning Connects with Administrators**

Presenter: *Gwen Pollock, ISTA*

ISTA is beginning a special focus that can connect administrative leaders to the best of science teaching and learning. Those administrators with a science teaching heritage are invited to be part of this effort.

Room: 222B

Subject: Technology

Audience: K-3, 4-6

**Technology Tips for Teaching**

Presenter: *Jackie Blumer, Greenville Elementary School*

Learn different technologies used to help make our teaching easier and more interesting. Programs discussed include: Smart Notebook, Senteo, Google Docs, Skype, and Spelling City.

Room: 222C

Subject: Environmental Science

Audience: 7-8

**Is the Prairie Worth Saving?**

Presenter: *Sue Sheehan, Fermilab*

The Smallville citizens are considering developing their prairie. Have your students decide if their prairie is worth saving using a problem-based online unit.

Room: 222D

Subject: Chemistry

Audience: 9-12

**ICLCS: Cool Chemistry**

Presenter: *Kendra Carroll, Shiloh CUSD #1*

Participants from ICLCS (Institute for Chemistry Literacy through Computational Science) will showcase some of the modeling techniques learned and activities developed through this multi-year program.

Room: 134

Subject: Environmental, General/Integrated, and Social Science

Audience: K-3, 4-6, 7-8

**New Resources Trunks from the Illinois Department of Natural Resources**

Presenter: *Valerie Keener, Illinois Department of Natural Resources*

“Illinois Prairies” and “Illinois State Symbols” can provide you with many supplemental resources to support your lessons. Preview them and receive free materials!

Room: 135

Subject: Physics

Audience: 6-8

**SK Magnetism**

Presenter: *Bob Friedel, Science Kit*

Participate in activity stations that teach concepts of magnetism. Discover force fields, force field mapping, attraction, and measuring magnetic strength.

Room: 136

Subject: Science Literacy

Audience: 9-12

**Writing to Learn in High School Science**

Presenter: *Naeem Karriem, Chicago Public Schools*

Teachers will learn about various writing strategies used in high school classrooms to make connections with science content and standards.

Room: 200

Subject: General/Integrated Science

Audience: K-3, 4-6, 7-8, Pre-service, College/University, Administration

**Inquiring Minds, Inquiring Methods: The Science Fair as a Professional Development Experience for Teachers and Problem Solving Experience for Students**

Presenter: *Ken King, Roosevelt University*

This presentation profiles an inquiry-based science fair experience with elementary pre-service teachers serving as mentors for elementary students.

Room: 201

Subject: General

Audience: K-12

**The Retired and Soon-to-Be Retired Teacher**

Presenter: *John R. Clark, ISTA Regional Director*

Retired teachers and those contemplating retirement in the next few years are invited to come and share your ideas about your future in ISTA.

Room: 202

Subject: Earth, Environmental Science

Audience: 4-6, 7-8, 9-12

**The Water Investigator Challenge**

Presenters: *Bill Soucie, Illinois Section of the American Water Works Association; and Mary Beth Nawor, Lake Forest High School*

Get your students’ hands wet identifying the source of water samples from our community using equipment you may borrow from the Illinois American Water Works Association.

Room: 203

Subject: Chemistry, Physics

Audience: 4-6, 7-8, 9

**The Quark Box—A Particle Physics Game—Revisited**

Presenter: *James A. Swedler, West Aurora High School*

An introduction to the Standard Model of particle physics. Students become familiar with the quarks and anti-quarks in a four part game of building and decoding mesons and baryons.

Room: 209

Subject: Biology, Chemistry, Environmental, Earth Science

Audience: 4-6, 7-8, 9-12

**Web-Based Inquiry in the Science Classroom**

Presenters: *J.D. Graham, Arthur High School; Jennifer Smith, Monticello Middle School; Lori Dobler, Rockford Lutheran Schools; and Jacob DuPree, Patty Lorton*

We will demonstrate guided inquiry based lessons on water quality topics that are easily implemented for a spectrum of grade levels in various science disciplines.

Room: 210

Subject: Biology

Audience: 7-8, 9-12

**Emiquon Project: Restoration of an Illinois River Floodplain**

Presenters: *Gary Butler and Michael Lemke, University of Illinois at Springfield*

Learn about real-time scientific data and printed materials available regarding one of the largest floodplain restorations projects in the country.

Room: 211

Subject: Biology, Chemistry, Environmental, General Science, Technology

Audience: 7-8, 9-12, K-12

**Making Nanoparticles: Exciting Activities with Nanotechnology** Presenters: *Joe Muskin, Janet Wattnem, Kate Davis, Matt Ragusa, and Barbara Hug, University of Illinois*

Nanoparticles offer interesting opportunities to solve modern problems. Make nanoparticles and see how to apply them to either a chemistry of biology classroom.

Room: 212

Subject: Weather, Ecology, Energy

Audience: 4-6, 7-8

**A JASON Project Sampler**

Presenters: *Margie Corp, WB Orenic Middle School; and Sue Raslowsky, Aux Sable Middle School*  
Explore the variety of lessons the JASON project has to offer. Hands-on labs and online resources will be shared. Learn how to access these free materials and more!

Room: 213

Subject: Biology

Audience: 9-12

**Mutations: Can You Predict Which Gene to Change? Three Approaches the Teaching**

Presenter: *Jonathan Weiland, Highland Park High School*  
Evolution 3 ways: Readings/Web Quests/Hands-on Lab. We will walk through web quests, readings, and labs for any level of biology class.

Room: 218

Subject: General Science

Audience: 4-6, 7-8

**Jumping Frogs - Hop to it and Have Some Fun Integrating Science and Math**

Presenter: *Mary Lou Lipscomb, Illinois Mathematics and Science Academy*

Integrated lessons in our after school program keep kids coming back for more. Construct origami frogs; collect, analyze jumping data, discuss variables - use it Monday!

Room: 222A

Subject: All areas

Audience: K-12, College/University, Administration

**Updates on the Refinements of the Illinois Learning Standards for Science**

Presenter: *Gwen Pollack, ISTA*

Recent efforts organized through ISBE have begun to refine the ILS-Science to include the American Diploma Project and the national Core Standards efforts. Updates on the process will be provided.

Room: 222B

Subject: Earth Science, General/Integrated Science

Audience: K-12, Pre-service, College/University

**Geoscience Rocks!**

Presenter: *Betty Trummel, Husman Elementary School*  
Explore geosciences activities and materials produced as a result of an exciting partnership between the scientists and educators of the ANDRILL (Antarctic DRILLing) program.

Room: 222C

Subject: Physics

Audience: 4-6

**Speed or Acceleration?**

Presenter: *Sue Dumford, Fermilab*

Are speed and acceleration the same? Come explore this question using simple teacher-made equipment and Fermilab materials.

Room: 134

Subject: General/integrated Science

Audience: 4-6, 7-8

**Science Inquiry Activities and Assessments for the Elementary Classroom**

Presenters: *Megan Yocum and Don Powers, Western Illinois University*

Join us as we share some inquiry activities and assessments appropriate for middle school and junior high classrooms.

Room: 135

Subject: General/Integrated Science

Audience: K-12

**Sustainable Schools**

Presenter: *Eric Heineman, Sustainable School Policy Advisor to Governor Quinn*

This presentation will address the following questions: What is a sustainable school? What is Illinois' Sustainable School Compact? What is education for sustainability? How can your school become a sustainable school? How do you measure school sustainability?

Room: 136

Subject: Environmental Science

Audience: K-12

**The Teacher's Environmental Education Toolbox**

Presenter: *Jennifer Bunde, EEAI*

Stop by and experience environmental education through an entirely new hands-on way! Explore materials, grants, loans, loan boxes, and workshops available to bring Environmental Education into your curriculum.

Room: 200

Subject: Leveling

Audience: 9-12

**Evolving to Meet the Needs of a Diverse Population**

Presenters: *Heather Hernandez, Barbara Obinger, and Kate Silber, Highland Park High School*

Discussion of identifying students best prepared to make a level change, ways to encourage this change, and supports to aid these students.

Room: 201

Subject: General/Integrated Science

Audience: K-12, Pre-Service

**Calling all New Teachers!**

Presenter: *Glen Flodstrom, Oglesby Washington Junior High; and Tara McDonald, Minooka Intermediate School*

NSTA's New Science Teacher Academy alumni will share lesson plans and ideas from this cutting-edge program. Experiments, tips, and advice for immediate classroom use. Freebies too!

Room: 202

Subject: Physical Science

Audience: Pre-K, K-3

**Color Wheels, Color Investigation for Early Childhood**

Presenter: *LaVerne Logan, Western Illinois University*

This presentation features hands-on exploration into colors for early childhood students; fine motor skills are inherent within the activity. ILS 11A and 12C are addressed in this activity.

Room: 203

Subject: Biology, Environmental, Earth, General/Integrated Science

Audience: 4-6, 7-8, 9-12, College/University

**Community Stewardship through Environmental Education—A Model Project**

Presenters: *Terri Hallesy and Robin Goettel, University of Illinois and Illinois-Indiana Sea Grant Program*

Learn about a university service-learning course that inspires youth to make responsible environmental decisions. Using innovative resources, this model can be tailored to your curriculum needs.

Room: 209

Subject: General Science

Audience: 4-6, 7-8

**Environmentally Friendly Art/Science Projects**

Presenters: *Kendra Carroll and Randi Pollock, Shiloh CUSD#1*

Session will consist of several examples of projects that provide creative ways to reuse materials and spark student interest with science related projects.

Room: 210

Subject: Biology

Audience: 9-12

**Forensic Anthropology**

Presenter: *John R. Clark*

Using their knowledge of human skeletal anatomy, participants will do a skeletal inventory of a "bone scatter" and determine the minimum number of bodies, genders, etc.

Room: 211

Subject: General Science

Audience: 4-6

**Fun for All: Integrating Science and Math with your 4<sup>th</sup> and 5<sup>th</sup> Graders**

Presenters: *Liz Martinez and Renee Anderson, Illinois Mathematics and Science Academy*

Learn about a new, exciting, after-school, late-elementary enrichment program integrating science and mathematics. Take home an activity that keeps kids coming back for more.

Room: 212

Subject: Biology

Audience: 7-8, 9-12

**Wolf-Moose Update**

Presenter: *Sylvia Tufts*

This predator-prey relationship presentation details the 50 year population biology study at Isle Royale National Park. Resources for ecology, population, and predation studies provided.

Room: 213

Subject: Earth, Environmental, General/Integrated Science

Audience: 7-8, 9-12

**Exploring Bioenergy with Wisconsin Fast Plants**

Presenter: *Hedi Baxter-Laufer, NSTA District XII Director*

The Great Lakes Bioenergy Research Center and Wisconsin Fast Plants Program developed this engaging inquiry into matter and energy in the context of biofuels.

Room: 218

Subject: Chemistry

Audience: 9-12

**Teaching “Chemistry You Need to Know”**

Presenter: *Susan Trzaskus and Christine Camel, Niles North High School*

This workshop will address issues relating to teaching chemistry to lower achieving students. The challenges faced in both mathematics and conceptual links are difficult to overcome with a traditional chemistry curriculum. Dr. Kelly Deters has written a textbook that helps you reach those students and hold their attention as you cover traditional topics on a non-traditional way.

Room: 220

Subject: General Science

Audience: 9-12

**Teaching Reading and Thinking Skills in Science**

Presenter: *Dennis Szymkowiak, Mundelein High School*  
Mundelein High School Science teachers implemented reading and thinking skills with the support of a reading coach. Lessons learned and ideas to get started.

Room: 221

Subject: Space Science

Audience: 7-8, 9-12

**NASA: Supernova**

Presenter: *Janet Moore, NASA and Illinois State University*

Use an explosive topic to capture your students' interest. Explore the mysteries of supernova with NASA. Free NASA materials!

Room: 222A

Subject: Biology, Environmental Science

Audience: K-12, College/University, Administration

**Updates on No Child Left Inside - An Important Opportunity for Illinois Science**

Presenter: *Gwen Pollock, ISTA*

Latest update on No Child Left Inside legislation which can provide meaningful professional development and student activities has been proposed as a new part of NCLB reauthorization.

Room: 222B

Subject: General/Integrated Science, Technology

Audience: K-12, Pre-service

**Think Like a Scientist**

Presenter: *Becky Jaramillo, NASA and National Institute of Aerospace*

Explore the universe with NASA. Learn about NASA eClips™; make a digital collage, and discover free online resources to help students become twenty-first century scientists.

Room: 222C

Subject: All areas

Audience: 7-8

**Teaching Science on the Internet**

Presenter: *Tim Manselle, Atwood-Hammond Grade School*

Atwood-Hammond School uses middle school students to teach science concepts to the lower grades by utilizing the Internet.

Room: 222D

Subject: All Areas

Audience: K-16, Administrators

**Write for the Spectrum!**

Presenters: *Judith Scheppler and Susane Styer, Illinois Mathematics and Science Academy and ISTA*

Do you have a favorite lesson, tip, or teaching tool? A new perspective on a classic curriculum topic? Then share it with Illinois teachers! This session will discuss how to write an article for publication in the *Spectrum*, ISTA's journal.

Room: 134

Subject: General/Integrated Science

Audience: K-12, Pre-Service

**Ca\$h for Your Class**

Presenter: *Tara McDonald, ISTA Awards Chair*

ISTA's awards chair discusses a huge list of teacher awards and grants from a variety of sources. Contact information, deadlines, grant writing strategies, and application tips will be shared. Raffle prizes too!

Room: 135

Subject: Earth, Environmental, General Science, Technology

Audience: 4-6, 7-8, 9-12, Pre-service, College/University, Administration

**GIS=Problem Based Learning with Real World Data**

Presenter: *Ed Gorny*

Discover the rapidly growing benefits of geographical information systems (GIS) as a new and essential tool for student learning in the twenty-first century.

Room: 136

Subject: General/Integrated Science

Audience: 9-12

**ARS-NCAUR; Our Investment in the Future**

Presenters: *Kim Asherl and Kate O'Hara, USDA*

Information on NCAUR's background and world renowned research with a focus on its ground-breaking student researcher program and companion summer program for teachers.

Room: 200

Subject: Environmental Science, Technology

Audience: K-12

**Educating Illinois on Renewable Energy**

Presenters: *Tony Lorschach and David Loomis, Illinois State University*

Presentation will describe Illinois State University's new Center for Renewable Energy and will discuss how the center can meet renewable energy education needs for teachers.

Room: 201

Subject: Chemistry, General/Integrated Science

Audience: 9-12, College/University, Pre-Service

**Reflectance Spectroscopy of a Sugar Cookie**

Presenter: *Michael J. Welsh, Columbia College Chicago*

A reflectance spectroscopy experiment was developed to track the color changes in a sugar cookie at different baking times at the same temperature.

Room: 202

Subject: Biology, Chemistry, Physics, Technology, General/Integrated Science

Audience: 9-12, K-12

**Explore Polymers and Have Students Print 3-D Objects in the Classroom**

Presenters: *Joe Muskin and Matt Ragusa, University of Illinois*

Print truly 3-D objects in your classroom with this activity involving polymer chemistry, optics, and engineering design using a data projector and \$25 of materials from a hardware store.

Room: 203

Subject: Biology, Chemistry, Physics, Earth, General/Integrated Science

Audience: Administration

**Science Course Sequences - An Update and Discussion**

Presenter: *Julie Gaubatz, Hinsdale South High School, District 86*

Join us to hear an update on our progression from a traditional model to a modified P-C-B sequence, and share your thoughts on science course sequences.

Room: 209

Subject: General Science

Audience: 7-8

**If You are New, This is for You!**

Presenter: *Tammy Knippenberg, Lexington Junior High School*

Are you a new junior high science teacher? We have hands-on activities (including one for Goal 11) and tips here.

Room: 210

Subject: General/Integrated Science

Audience: 4-6

**One Well**

Presenter: *Barbara Sandall, Western Illinois University*  
Participants will be engaging in an investigation of how much water is on the earth and why we need to conserve it.

Room: 211

Subject: Biology, Chemistry

Audience: 7-8, 9-12

**Importance of Real-life Applications in Chemistry and Biology**

Presenter: *Sowmya Anjur, Illinois Mathematics and Science Academy*

Suggestions are made for helping students better apply their understanding of concepts to solve problems the hands-on experience with real-life applications in science.

Room: 212

Subject: Human Anatomy and Physiology

Audience: 7-8, 9-12

**Anatomy and Physiology Activities**

Presenter: *Sylvia Tufts*

Strategies and activities that make learning memorable, meaningful, and fun will be presented. Resources that are within every teacher's grasp are presented.

Room: 213

Subject: General/Integrated Science

Audience: 7-8

**Deal Me In: Playing Cards as an Inexpensive Science Teaching Tool**

Presenter: *Ken King, Roosevelt University*

This presentation profiles applications of playing cards as tools for science teaching: (1) modeling vector addition, (2) exploring patterns in the periodic table, (3) exploring concepts related to pseudoscience.

Room: 218

Subject: Astronomy

Audience: 9-12

**Active Galaxies and the FERMI Gamma-ray Space Telescope for High School Teachers**

Presenter: *Walter Glogowski, Ridgewood High School*

Learn to use differentiated instructional strategies to engage students in cutting edge astronomy. Two hands-on activities will be introduced; free NASA materials will be distributed.

Room: 220

Subject: All areas

Audience: 9-12

**Technology Enabled Education through Innovative Technology**

Presenters: *Andy McWhirter, Geoff Schmidt, and Anna Kraftson, Naperville North High School*

This presentation will showcase how to increase students' interest and engagement in science using twenty-first century skills and technologies along with business partners.

**Make Electrostatics Dynamic with Hands-on Experiments!**

Room: 221

Subject: Physics

Audience: 9-12

**Make Electrostatics Dynamic with Hands-on Experiments!**

Presenters: *Mark Carlson, Peter Clancy, and Brooke Schmidt, Illinois Mathematics and Science Academy*

Here are a few ideas for electrostatics that you can use this year in your classroom. You can try them out today! Come join us!

Room: 222A

Subject: Physics, General Science

Audience: College/University, Administration

**Possibilities for Pre-Engineering Concepts, Officially**

Presenter: *Gwen Pollock, ISTA*

Building on multiple efforts, ISTA and TEAI are planning to propose the inclusion of pre-engineering into the teaching and learning standards. Be part of the process, please.

Room: 222B

Subject: General/Integrated Science

Audience: 4-6, 7-8, 9-12

**Response to Insanity**

Presenter: *Kristi Van Hovel*

I am a science teacher, not a reading teacher! Find out reading strategies that you can use on Monday in your science classroom.

Room: 134

Subject: Biology

Audience: 6-8

### **Wards Hands-on Germs**

Presenter: *Bob Friedel, Wards Natural Science*

Learn to conduct a fun and easy hands-on experiment to help students visualize the ease of germ and disease transmission.

Room: 135

Subject: Earth, Environmental, General/Integrated Science, Technology

Audience: 4-6, 7-8, 9-12, Pre-service, College/University, Administration

### **GPS=Newest Handheld in Education for Students to Use**

Presenter: *Ed Gorny*

Discover the rapid development of global positioning systems (GPS) as a new and essential tool for student learning in the twenty-first Century.

Room: 136

Subject: All

Audience: New Teachers

### **Pre-service and New Teacher Reception**

Presenters: *Troy Simpson, Glen Raymond School; and Patrick (Pat) Schlinder, The Scope Shoppe, Inc./Flinn Scientific*

All pre-service and new teachers are encouraged to attend the annual pre-service and new teacher session. Troy Simpson and Pat Schlinder will facilitate a round-table discussion with a panel of new teachers sharing their experiences as they embark on their first few years in teaching, including our 2009 ISTA New of the Year award winners. Learn about the challenges they faced and what has helped them not only survive, but succeed in those critical first years!

Room: 200

Subject: Physics

Audience: 9-12

### **My Best Physics Experiments**

Presenter: *George McGuire, Hinsdale South High School*

A veteran physics teacher shows his best experiments and demonstrations from thirty- three years of classroom teaching.

Room: 201

Subject: Environmental Science

Audience: 7-8, 9-12

### **Examining the Human Footprint: Population, Land Use, and the Global Environment**

Presenter: *Allan Cook, University of Illinois at Springfield*

Engage in innovative, hands-on activities that explore human evolution and its impacts on ecosystems, biodiversity, climate, and natural resources. Receive extensive lesson plans on CD-ROM!

Room: 202

Subject: Chemistry

Audience: 9-12

### **Using Computational Tools in Chemistry**

Presenter: *Sherry Spurlock, Pekin Community High School*

See how computational tools can be used to help students visualize chemical concepts. Topic addressed will be bonding.

Room: 203

Subject: Biology, Chemistry, Physics, Earth, General/Integrated Science

Audience: Administration

### **County-Wide Essential Course Objectives and Assessments**

Presenters: *Julie Gaubatz and Lisa Fernandez, Hinsdale South High School, District 86*

Join us to hear an update on the progress and results from our teacher-generated DuPage County essential course objectives and assessments project.

Room: 209

Subject: Biology

Audience: 7-8, 9-12, College/University

### **Quick and Easy Demonstrations for the Life Sciences**

Presenters: *Laura M. Barden-Gabbei, Western Illinois University; and Jill Bucher, Lincoln College*

Need a few life science demonstration, short activities, or attention grabbers? We will be presenting many short and easy ideas you can implement readily.

Room: 210

Subject: Earth Science

Audience: K-12

### **Earth and Space Science Education at George Williams College and Yerkes Observatory**

Presenter: *Kenneth Gardner, George Williams College of Aurora University*

George Williams College has created a masters degree program in Earth and Space Science Education. This innovative program will be explained during the session.

Room: 211  
 Subject: All Areas  
 Audience: K-12, Pre-Service, College/University,  
 Administration

**Illinois Science Standards Made EZ**

Presenter: *David Silverberg, Ashland University, Ohio*  
 Come and learn about a quick and easy way to use the Illinois 1-12 Science Standards! Great for planning, instruction, differentiation, and assessment.

Room: 212  
 Subject: General Science  
 Audience: K-3

**The Leaf Man**

Presenter: *Brian Poelker, Eastern Illinois University*  
 The Leaf Man is a wonderful Learning Cycle for the early elementary grades that integrates science with reading and art. This activity is great for creating hallway displays of student work for open house.

Room: 213  
 Subject: Elementary Science  
 Audience: K-3, 4-6, College/University

**Possibility for Elementary Science Specialist Endorsement**

Presenters: *Gwen Pollock, ISTA; and Karen Lind, Illinois State University*

A new endorsement for elementary mathematics and science specialization, as a vital part of high-quality science programs, is being considered. Please contribute your insight to this plan for action.

Room: 218  
 Subject: Nanoscience/Nanotechnology  
 Audience: K-3, 4-6, 7-8, 9-12

**UIC WISE Mentoring Programs for Girls K-12 in STEM**

Presenter: *Sarah Shirk, University of Illinois at Chicago*  
 Learn about the UIC Women in Science and Engineering (WISE) program's mentoring opportunities for young girls (K-12) with interests in STEM, nanoscience, and nanotechnology.

Room: 220  
 Subject: General Science  
 Audience: 9-12

**Teaching Reading and Thinking Skills in Science**

Presenter: *David Greenwood, Mundelein High School*  
 Mundelein High School science teachers implemented reading and thinking skills with the support of a reading coach. Lessons learned and ideas to get started.

Room: 221  
 Subject: General/Integrated Science  
 Audience: K-3, 4-6

**Rock Elementary Science with Rockets!**

Presenter: *Carol Schnaiter, Amboy School, 2009 Exxon Mobil Outstanding Teacher*  
 Looking for a cool science activity for first through fifth graders? Try your hand at rockets and watch your students' interest soar! Easy rocket design with everyday materials.

Room: 222A  
 Subject: All areas  
 Audience: K-12

**Online Professional Development Opportunities through the NSTA Learning Center**

Presenter: *Heidi Baxter Lauffer, NSTA Region XII Director*  
 Learn how to use the online resources of NSTA's Learning Center to build your PD plan, learn key science content using online modules, and document your progress.

Room: 222B  
 Subject: General/Integrated Science  
 Audience: 4-6, 7-8, 9-12

**Response to Insanity**

Presenter: *Kristi Van Hovel*  
 I am a science teacher, not a reading teacher! Find out reading strategies that you can use on Monday in your science classroom.

Room: 222C  
 Subject: General/Integrated  
**Teaching Science in an Urban Setting**  
 Audience: K-3, 4-6, 7-8  
 Presenter: *Michael B. Johnson, Fermilab/Harvard School of Excellence*

This workshop is designed to actively engage K-8 Teachers on how science can be taught in an urban school setting.

# Saturday Session Offerings

## 8:00 AM - 10:50 AM - 3 Hour Workshop

Room: Bradley  
Subject: General/Integrated  
Audience: K-3

### **Zula Ready, Set-Science!**

Presenter: *Craig Seibert, Zula International*

Join us for a highly interactive science and math workshop which includes fun, hands-on activities. The session will help “launch” inquiry based science in your classroom.



## 8:00 AM - 9:50 AM - 2 Hour Workshops

Room: Blackhawk A  
Subject: Physical Science  
Audience: 9-12

### **Find the Energy**

Presenter: *John Allen, CPO Science*

Take a Ride with force, motion, and energy! Teachers will be able to control variables while investigating Newton’s Laws. This will be a hands on experience.

Room: Blackhawk B  
Subject: Environmental Science  
Audience: K-3, 4-6

### **Children Learn by Doing**

Presenter: *Jennifer Tariq, Douglas-Hart Nature Center*

Explore nature using games and activities to supplement the components of environmental science all in a hands on and interactive approach so children can learn by “doing!”

Room: La Salle A  
Subject: All areas  
Audience: College/University

### **P2D2 (Prescription Pill and Drug Disposal Program)**

Presenter: *Paul Ritter, Pontiac Township High School*

Consequences and solutions of global disposal of unwanted medication and how this real world education program enables your students to be agents of environmental change.

Room: La Salle B  
Subject: Physics, Technology, General/Integrated Science  
Audience: 7-8, 9-12, Pre-service, College/University

### **Frisbee™ Dog Physics**

Presenter: *Jen Gilbert, Loyola University and DePaul University*

Teachers will examine an inquiry-based physics lesson using media featuring “Frisbee” dogs and discuss how to create the same level of engagement in their classroom.

Room: La Salle C  
Subject: Teacher Leadership  
Audience: K-12, College/University, Administrators

### **Developing Science Teacher Leaders in an Urban School Setting**

Presenter: *Wendy Jackson, Chicago Public Schools - Office of Mathematics and Science*

Components of the Chicago Math and Science Initiatives program to develop a cadre of teachers who serve as professional development leaders will be highlighted.

## 8:00 AM - 8:50 AM - 1 Hour Workshops

Room: Peoria

Subject: Earth and Space Science

Audience: 4-6, 7-8, 9-12

### **Space Camp - It's for Teachers Too!**

Presenter: *Olivia Jones, Lincoln Prairie School*

Learn new and innovative techniques to educate your students by discovering how to become a participant in the Honeywell Educators @Space Academy Program.

Room: Cotillion A

Subject: Biology

Audience: 9-12

### **Mastery Learning in Biology/Honors Biology**

Presenters: *Adrienne O'Neal and Matt Kirkpatrick, Neuqua Valley High School*

Promoting Mastery Learning using rubrics, formative assessments, student oriented learning, and problem solving.

Room: Cotillion B

Subject: Scientific discourse and practices

Audience: K-12

### **Using Students' Everyday Experiences in the Science Classroom**

Presenters: *Leah A. Bricker, Kathryn Nolan, Lauren Parente, and Rachel Perry, Loyola University*

Attendees will learn about youth discourses and practices that relate to science, as well as strategies for using these findings in science classrooms.

Room: Cotillion C

Subject: All areas

Audience: K-12

### **Putting Professional Learning Communities (PLC) into Practice**

Presenters: *Sarah Bendowski, Brandy Schaafsma, and Hope Paskus, Kaneland Middle School*

Jump start a PLC! Topics include but are not limited to: how to collect data and what to do with it to guide better instruction.

Room: Cotillion D

Subject: Physics

Audience: 9-12

### **Learning Physics through Experiments: Significance of Students' Interpretations of Error**

Presenter: *David Bonner, Hinsdale South High School*

Critical issues regarding students' abilities to interpret the role of experimental error in their data, in order to truly learn from experiments in physics.

Room: Cotillion E

Subject: General/Integrated Science

Audience: 7-8, 9-12

### **The Emergence of Life - Recent Research from the University of Illinois and the Santa Fe Institute**

Presenters: *Rod Allen, DaVinci Academy; Zoe Evans, Ottawa High School; Frank Petkunas, Bradley-Bourbonnais High School; and Paige Prescott, Santa Fe Institute*

SFI scientists used a multidisciplinary method to research the emergence of life, and enabled teachers to help students better understand scientific concepts within a greater scheme.

Room: Pere Marquette Rewards Club A

Subject: Biology

Audience: 7-8

### **Simulating DNA Identification**

Presenter: *Susan German, National Middle Level Science Teachers Association (NMLSTA)*

The presentation will demonstrate a simulation activity in which students will "make their DNA" using yarn, learn about probability, and then incorporate the data into an Excel spreadsheet for computation.

Room: Pere Marquette Rewards Club B

Subject: Physics

Audience: K-12

### **STC™: Kids Discover Motion and Design**

Presenters: *Darin Christianson, Carolina Biological*

Through sample hands-on activities, learn about this inquiry-based unit that uses

K'NEX™ materials to help students explore force, momentum, energy, and how design affects motion.

## 9:00 AM - 9:50 AM - 1 Hour Workshops

Room: Peoria

Subject: Biology, Environmental Science, General/  
Integrated Science

Audience: K-12, Pre-service

### **How do Panches Survive in 2009 and Thrive in 3009?**

Presenter: *Ovid K. Wong, Benedictine University*

A sequence of two experiments will be presented (through audience participation) to investigate the life on Panches in a hypothetical life span of 1000 years through natural selection. The success of Panches will be determined by the analysis of data reports that follow the scientific method framework.

Room: Pere Marquette Rewards Club A

Subject: Biology

Audience: 7-8

### **Math Science Incorporated**

Presenter: Susan German, National Middle Level Science Teachers Association (NMLSTA)

The presentation will provide curriculum ideas that illustrate how science can help teach math concepts. Notebook strategies, foldables, and student examples will be shared.

## 9:00 AM - 10:50 AM - 2 Hour Workshops

Room: Cotillion A

Subject: Earth Science, Astronomy

Audience: 6-12

### **How to Become Part of the Global Telescope Network (GTN) and Take Pictures of Deep Space Objects**

Presenter: *Walter Glogowski, Ridgewood High School*

Learn how your students can become part of the Global Telescope Network and join the ISTA Year of Science Program "Intriguing Science with Intriguing Photography." If you have a laptop, please plan on bringing it! Free NASA material will be distributed.

Room: Cotillion B

Subject: All areas

Audience: K-12

### **Get Simulated!**

Presenter: *Diane Kasparie, Quincy Notre Dame High School*

Online simulators offer interactive science for students on all levels of learning. These attention-grabbing hands-on tools allow for inquiry and understanding –and they're motivating and fun!

Room: Cotillion C

Subject: Biology, Environmental Science, General/Integrated Science, Technology

Audience: 4-6, 7-8, 9-12, Pre-service, College/University, Administrators

### **Deep Sea Discoveries: Making Underwater Robots**

Presenter: *Amy Christiansen, John G. Shedd Aquarium*

Shedd Aquarium is tackling STEM principles with underwater robots! Get an introduction to how to create a remotely operated vehicle (ROV) and suggestions for curriculum integration.

Room: Cotillion D

Subject: General/Integrated Science

Audience: K-12

### **Evolution of a Science Coach & Classroom Teacher's Collaboration Journey**

Presenters: *Elana Jacobs, Connie Kelly, and Tina*

*Newsome, Chicago Public Schools - O'Keefe School*

This interactive workshop highlights teacher and science coach's journey. Through collegial collaboration and student journals we overcame obstacles of science curricula for all learners.

Room: Cotillion E

Subject: Biology, STEM

Audience: 7-8, 9-12

### **Deep Sea Scientists Aren't Afraid of What's in the Dark...Are You?**

Presenter: *Tamara Frank and Ruth A. Musgrave, Whale Times, Inc. and HBOI-FAU*

Deep sea scientist Dr. Tamara Frank and ocean educator Ruth Musgrave bring STEM topics to life using the deep sea and NOAA's Ocean Exploration Curriculum.

Room: Board Room

Subject: General/Integrated Science

Audience: K-12

### **An Independent Study of the Promethean ActivClassroom**

Presenter: *Keith Mann, Graphtech Systems*

Dr. Robert Marzano has recently published new research regarding the effectiveness of the Promethean ActivClassroom on student achievement. Learn and discuss the implications. Free copy of the report for all attendees.

Room: Pere Marquette Rewards Club B

Subject: Physics

Audience: K-3

### **STC™: Changes**

Presenter: *Darin Christianson*

Through sample hands on activities, learn about this inquiry-based unit that lets students investigate physical and chemical changes that affect their daily lives.

## 10:00 AM - 10:50 AM - 1 Hour Workshops

Room: Blackhawk A

Subject: Environmental Science

Audience: 9-12

### **Hot Planet, Cool Solutions**

Presenter: *Michael LaFemina, Alliance for Climate Education*

ACE equips students with the knowledge and tools needed to confront climate change. Our presentation empowers youth by educating them on the most current and accurate climate science.

Room: Blackhawk B

Subject: Science Teacher Preparation

Audience: Pre-service, College/University, Administrators

### **A Model Assessment System for Science Teacher Preparation Programs**

Presenter: *Theresa Y. Robinson, National Louis University*

Describes how one program organized and assessed learning experiences for pre-service science teachers that are aligned with National Science Teaching Standards and IPTS.

Room: Peoria

Subject: Chemistry, Forensics

Audience: 9-12

### **Integration of Organic Chemistry, Spectroscopy, and Forensic Science into a High School Course**

Presenter: *Elizabeth Brucker, Naperville North High School*

Applications in a chemistry course of a combination of organic chemistry, spectroscopy, and forensic science. In this presentation, we will describe how it was developed, the course curriculum, and future applications.

Room: La Salle A

Subject: General/Integrated Science

Audience: 4-6

### **The Wonderful World of Water**

Presenter: *Nola Wilkinson, Johns Hill Magnet School*

Water is cheap, readily available, and safe, yet can provide hours of intriguing scientific investigation. Come learn fun standards-based water activities that invite inquiry.

Room: La Salle B

Subject: General/Integrated Science

Audience: College/University

### **T.C.I.'s - An Immersion Program for Preservice Teachers**

Presenter: *Susan L.S. Bisinger, Illinois Mathematics and Science Academy*

Teacher candidate institutes (TCIs) offer preservice teachers an opportunity to immerse themselves in a week-long, guided teaching experience that they plan and deliver during the summer.

Room: La Salle C

Subject: Environmental Science

Audience: K-12

### **Backing the Real Basics**

Presenter: *Kimberly Keenan and Denise Uryki, Gifts in the Moment*

Discussion of No Child Left Inside (NCLI), research and school programming options focusing on the physical, emotional, and mental health benefits of nature.

Room: Pere Marquette Rewards Club A

Subject: Biology

Audience: 7-8

### **Lava Layering and Mapping**

Presenter: *Susan German, National Middle Level Science Teachers Association (NMLSTA)*

Participants will use an activity in which students model how geologists use stratigraphy to understand the sequence of geological events on Earth, planets, and moons.

Illinois Science Teachers Association  
 42nd Annual Conference on Science Education  
 Peoria Civic Center & the Hotel Pere Marquette—November 12-14, 2009  
**Pre-Registration Form**

**Deadline for Early Bird Pre-Registration: Postmarked by October 10, 2009**

Deadline for Advance Registration: Postmarked between October 11, 2009 and October 31, 2009

Registration on or after November 1, 2009: On-site only

**Fill out form completely, one per registrant. Print clearly. Email address is required. Information is not shared with anyone.**

Name: \_\_\_\_\_ Spouse/Guest Name (if attending) \_\_\_\_\_

Home Address \_\_\_\_\_ Home phone (\_\_\_\_\_) \_\_\_\_\_

City/State/Zip \_\_\_\_\_ County where you work \_\_\_\_\_

Affiliation/School \_\_\_\_\_

Business Address: \_\_\_\_\_ Business phone (\_\_\_\_\_) \_\_\_\_\_

City/State/Zip \_\_\_\_\_ Email \_\_\_\_\_

- Check here if you need special assistance due to handicap (describe on extra sheet)
- Check here if you would like to be a presider for a session.
- Check here if you have been teaching 3 years or less.
- Check here if you need a non-meat meal.

**Conference Registration (Thursday, Friday and Saturday)**

**(Includes Thursday exhibit hall and reception, Friday sessions, exhibit hall & luncheon, Saturday sessions and workshops, except as noted below.)**

Please circle correct amount.

Registration Fees and deadline for postmark	Earlybird 10/10/09	Advance 10/31/09	Full Rate After 11/1
<input type="checkbox"/> Full--Current ISTA member	\$125	\$140	\$150
<input type="checkbox"/> Full--Nonmember (includes one-yr.mbrshp)	\$160	\$175	\$185
<input type="checkbox"/> Full--Instit. mbrs. (up to 3 individuals) *	\$120/person	\$135/person	\$145/person
<input type="checkbox"/> Full--full time student	\$30	\$30	\$30
<input type="checkbox"/> Saturday only--ISTA member	\$35	\$40	\$45
<input type="checkbox"/> Sat. only--nonmember (inc. 1 yr mbrshp)	\$70	\$75	\$80
<input type="checkbox"/> Non-teaching spouse/guest--no luncheon	\$20	\$20	\$20

Enter Registration fee \_\_\_\_\_

**Social Events (Tickets for these events will not be sold at the door)**

Thursday Reception in Exhibit Hall (4:00 to 7:00 pm) No charge, but please register \$00.00 \_\_\_\_\_

Friday Luncheon – Peoria Civic Center – Included as above, but please register \$00.00 \_\_\_\_\_

--price for registered non-teaching spouse/guest \$20.00 \_\_\_\_\_

Friday Night **GALA** (bus, drinks, food, light & night show, live band, prizes, awards– open to anyone attending Thursday, Friday, and/or Saturday.) **DON'T MISS THIS FUN EVENT!** \$35.00 \_\_\_\_\_

Other ISTA membership options (see [www.ista-il.org](http://www.ista-il.org) for joint and multiyear membership info). (Convenience fee of \$5 will be added to **online** registrations.) \_\_\_\_\_

**Total Due:** \_\_\_\_\_

\* Please send all registrations in the same envelope with email addresses for all.

Make checks or purchase orders payable to: **Illinois Science Teachers Association**. Send to **ISTA Membership Secretary Pam Spaniol, PO Box 312, Sherman, IL 62684**. No one will be admitted to any part of the convention without registering. If your registration form is received by November 3rd you will receive a confirmation by email. If it is received after Nov. 3, pick up your information at the conference.

# **ISTA General Membership Meeting Saturday November 14 11:00 AM - 12:00PM LaSalle Room**

This session of the convention affords the members of the Illinois Science Teachers Association the opportunity to express their ideas, concerns, and suggestions to the board regarding the future directions of the association. ALL MEMBERS (including those who have just joined at this convention) should plan to attend. This year, the vendors have donated an unprecedented number of valuable prizes to be given away during the meeting. You won't want to miss it!

## **Registration Questions?**

Pamela Spaniol  
pamela.spaniol@yahoo.com

## **Registration Hours**

**Thursday 11/12/08**

Peoria Civic Center  
12:00 PM - 7:00 PM

**Friday 11/13/08**

Peoria Civic Center  
7:30 AM - 4:00 PM

**Saturday 11/14/08**

Hotel Pere Marquette  
7:30 AM - 11:00 AM

