

## 2010 PreK-8 Science Education Update Conference ---- Program “At-A-Glance”

<b>8:00 am</b>	<b>Registration &amp; Exhibits</b>	
<b>8:30-9:20 am</b>	<b>Concurrent Sessions I</b>	
HH 1 Betsy Hommel	Children’s Literature in Science: New Releases	preK-8
HH 21 Jon Jones	How Difficult is your Science Text? How to find out	2-8
HH 27 Jonathan Smith	Got Wind? Got Sun? Incorporate Environmental Sciences into your Curriculum!	2-5
HH 59 Valerie Keener	Materials & Programs from the Illinois Department of Natural Resources	K-8
HH 62 Carol Van De Walle, Tara Hinton, Jenna Crouch & Shawn King	Easy to do Kites, Inquiry & Literature	2-8
HH 64 Pat Sullivan	Watershed Address	K-8
HH 82 Gwen Pollock	Dreams for ISTA - and how you can be a part of the dream	preK-8
<b>9:30-10:20 am</b>	<b>Concurrent Session II</b>	
HH 1 Betsy Hommel	Children’s Literature in Science: New Releases	preK-8
HH 7 Stacy Baker	Science & Reading Working Together	2-5
HH 25 Brian Poelker	The Leaf Man: A learning cycle integrating science, literature, and art	preK-2
HH 26 Jennifer Smith	Books, Blood, Brains & Writing in Middle School Science	5-8
HH 42 Tom Kudwa	Enabling 21st Century Science Education	5-8
HH 43 Kelly Matlick & Michelle Adlinger	Science & Language Arts, A Natural Fit	5-8
HH 44 Cori Mueller	Writing & Science	2-5
<b>10:20 am</b>	<b>Exhibits &amp; Hospitality</b>	<b>Northwest Hallway</b>
<b>11:00-11:50 am</b>	<b>Concurrent Session III</b>	
HH 1 Betsy Hommel	Children’s Literature in Science: New Releases	preK-8
HH 26 Julie Bice	Make Science Come Alive with Butterflies and Gardening with Children!	preK-8
HH 27 John J. Zenchak & Mary Jean Lynch	Keeping Students Interested Even after the Cool Teacher Demonstration	2-8
HH 42 Carol Schnaiter	Rock Elementary Science With Rockets!	1-4
HH 44 Kelly Murphy	Science in Your Shopping Cart	6-8
HH 62 Jan Gustafson	Combining Science & Literacy - You Can Do It!	preK-2
HH 64 Pat Sullivan	Pond Critters	K-8
<b>12:00-1:00 pm</b>	<b>Mini Sessions</b>	<b>Horrabin Hall Gymnasium</b>
<b>A</b> Don Powers	Mirror, Mirror .....	4-8
<b>B</b> Valerie Keener	IDNR Resources Trunk Program	K-8
<b>C</b> Judy Witten & Noelle Flynn	"Beady Buddies" Inspire Recycling Project	2-5
<b>D</b> Teresa Sanford, Diana Goff & Frances Steward	Spectacular Butterflies! Life of the Monarch	2-5
<b>E</b> Charles Williams	Story of Petroleum	K-8
<b>F</b> Kent Buckrop & Ellen Thorndyke	Extreme Home Makeover: Earthquake Edition	5-8
<b>G</b> LaVerne Logan, Andrea Shoemaker-Timbrook & Emilie Heald	Simple Scavenger	3-6
<b>H</b> Kevin Finson	Making and Using Tactile Topographic Maps	5-8
<b>I</b> Harry Hendrickson	Benefits of ISTA Membership	preK-8
<b>J</b> Jennifer Smith	Books, Blood, Brains & Writing in Middle School Science	5-8
<b>K</b> Abha Singh	STEM for PreK-2	preK-2
<b>1:00-1:45</b>	<b>LUNCH</b>	<b>Horrabin Hall Gymnasium</b>
<b>1:30-2:00</b>	<b>WELCOME &amp; COMMENTS</b>	<b>Horrabin Hall Gymnasium</b>
<b>2:00-3:00</b>	<b>ANNOUNCEMENTS AND DOOR PRIZES</b>	<b>Horrabin Hall Gymnasium</b>

## 2010 PreK-8 Science Education Update Conference

Welcome to the 24th Annual PreK-8 Science Education Update Conference. At 1:00 we'll serve lunch in the Horrabin Hall Gym followed by door prizes. The conference is scheduled to conclude by 3 pm.

### ❖ ❖ ❖ 8:30-9:20 Concurrent Session I ❖ ❖ ❖

- HH 1 Betsy Hommel** **Western Illinois University, Macomb, IL**  
**Children's Literature in Science: New Releases**  
This open session will offer participants an opportunity to browse new trade books in science at various grade levels and topics in science, as well as other disciplines and genres. Come late, leave early, or stay as long as you like.
- HH 21 Jon Jones** **Western Illinois University, Macomb, IL**  
**How Difficult is your Science Text? - How to find out.**  
This presentation will be hands on. Participants will learn and actually do several procedures which they can use to determine whether there is a match between the reading level of their science text and their students' reading ability.
- HH 27 Jonathan Smith** **Central Intermediate School D51, Washington, IL**  
**Got Wind? Got Sun? Incorporate Environmental Sciences into your Curriculum**  
Want to teach environmental science in elementary? Walk away with ideas to incorporate into your classroom that engage learners in science, math, reading, and even social studies! Do so inexpensively using windmills and solar panels. Come ready for some science fun.
- HH 59 Valerie Keener** **Illinois Department of Natural Resources, Springfield, IL**  
**Materials and Programs from the Illinois Department of Natural Resources**  
Learn about the Illinois-specific materials and programs from the IDNR including ENTICE, *Earth Day in the Parks*, natural resources cards, CD-ROMs and DVDs, supplementary resources, contests and many other items. Discover our three grant programs that can help you bring learning to life. You'll take back many free resources for easy implementation into the curriculum.
- HH 62 Carol Van De Walle, Tara Hilton,** **Western Illinois University, Moline, IL**  
**Jenna Crouch & Shawn King**  
**Easy to do Kites, Inquiry, and Literature**  
Participants will make a simple but effective kite using minimal time and materials. Most materials can be from recycled items, making it a good Earth Day (or Buddy Day) project and an opportunity to take the students outdoors. The kite will be a stepping stone to inquiry lessons and children's literature.
- HH 64 Pat Sullivan** **Peace of Earth Environmental Learning Center, Rushville, IL**  
**Watershed Address**  
You don't get more fundamental than WATER! We all need it every day and yet take it for granted regularly. Using a colorful 3-D table-top watershed model and manipulatives we will explore how to teach in an engaging and fun manner about watersheds, the importance of conservation and protection of our water resources, and the positive and negative impact of humans on our watersheds. Non-point source pollution, erosion, conservation best practices, and much more will be discussed and explored. Learn how you can borrow one of these models for your classroom. Appropriate for all age levels.

**HH 82 Gwen Pollock** **President, Illinois Science Teachers Association**  
**Dreams for ISTA---and how you can be a part of the dream**  
ISTA has several initiatives that have a direct connection to you. Your expertise, insight, and dedication is needed for new teachers, student teachers, and making connections for professional development options.

❖ ❖ ❖ **9:30-10:20 Concurrent Session II** ❖ ❖ ❖

**HH 1 Betsy Hommel** **Western Illinois University, Macomb, IL**  
**Children's Literature in Science: New Releases**  
This open session will offer participants an opportunity to browse new trade books in science at various grade levels and topics in science, as well as other disciplines and genres. Come late, leave early, or stay as long as you like.

**HH 7 Stacy Baker** **Pleasant Hill School, Peoria, IL**  
**Science and Reading Working Together**  
How do you teach science when all the focus is on Reading? Read your science. There are lots of books and resources out there that can help you read your science and play with it too. Come and see some ways to read and do science in grades 3-5.

**HH 25 Brian Poelker** **Eastern Illinois University, Charleston, IL**  
**The Leaf Man: A learning cycle integrating science, literature, and art**  
The Leaf Man integrates science with literature and art. This learning cycle is based on the wonderful book, *Leaf Man*, by Lois Ehlert. The book is read to the students. Pictures in the book depict a variety of habitats and organisms that the Leaf Man sees as he is blown by the wind over the landscape. The habitats are discussed during and after the reading. Students then use construction paper and pressed leaves to create a leaf animal in its habitat. Handouts will be provided.

**HH 26 Jennifer Smith** **Monticello Middle School, Monticello, IL**  
**Books, Blood, Brains and Writing in Middle School Science**  
Participants in this session will be provided with a variety of classroom-tested techniques involving authentic reading and writing activities to be used when teaching anatomy in a middle school classroom. Hands on activities using trade books, magazines, websites and science journals as related to body systems will be addressed.

**HH 42 Tom Kudwa** **PASCO Scientific, Roseville, CA**  
**Enabling 21st Century Science Education**  
Prepare your students for the future: 21st Century science education requires 21st Century science methods and tools. PASCO's Science workshop is designed to empower teachers to deliver authentic 21st Century science experiences using standards-based content and innovative electronic measurement systems.

**HH 43 Kelly Matlick & Michelle Aldinger** **Mercer County Intermediate, Aledo, IL**  
**Science and Language Arts, A Natural Fit**  
Join us as we discuss the novels and books we have incorporated, the creative projects we have done with our students, and our own research on the success of interdisciplinary units in our previous school district. We will also share with you some of the resources we have used to launch our interdisciplinary units in Science and Language Arts.

**HH 44 Cori Mueller** **School Specialty, Greenville, WI**  
**Writing and Science**  
 Engaging in science is one part experience and two parts making sense of the experience. When students engage in interesting and thought provoking activities, they are easily encouraged to write about their experiences. When students write about their experiences, they gain a deeper understanding of the concepts. As teachers read students' thoughts on paper, their thinking and understanding become transparent, helping teachers plan their next steps. Writing in science becomes a win-win opportunity for students and their teachers! Join me in using a FOSS science module to learn how writing in science can become a golden opportunity in education.

❖ ❖ ❖ **10:20 – 11:00 Break** ❖ ❖ ❖  
**Exhibits & Hospitality North Hallway**

❖ ❖ ❖ **11:00-11:50 Concurrent Session III** ❖ ❖ ❖

**HH 1 Betsy Hommel** **Western Illinois University, Macomb, IL**  
**Children's Literature in Science: New Releases**  
 This open session will offer participants an opportunity to browse new trade books in science at various grade levels and topics in science, as well as other disciplines and genres. Come late, leave early, or stay as long as you like.

**HH 26 Julie Bice** **West Prairie Middle School, Colchester, IL**  
**& Monmouth College, Monmouth, IL**  
**Make Science Come Alive with Butterflies and Gardening with Children!**  
 Make your Science lessons come ALIVE with gardening, children's nature stories and even a little song and dance. Ideas for raising Monarchs in the classroom and developing a school garden will inspire you create HANDS-ON learning adventures that will involve the whole family. Handouts with helpful hints and a list of garden plants will help you plan the WONDER!

**HH 27 John J. Zenchak & Mary Jean Lynch** **North Central College, Naperville, IL**  
**Keeping Students Interested Even after the Cool Teacher Demonstration**  
 Teachers attract students' interest with cool science demonstrations, but what do they do next to keep students interested? Our demonstration-experiments combine a uniquely designed discrepant event and structured exploration with opportunities for connections to other curricular areas. Discussion brings together content and relevance of the science content to everyday phenomena.

**HH 42 Carol Schnaiter** **Amboy Central School, Amboy, IL**  
**Rock Elementary Science with Rockets**  
 Looking for a cool science activity for first through fourth grades? Try your hand at rockets and watch your students' interest soar. Investigate easy rocket design with everyday materials.

**HH 44 Kelly Murphy** **Illinois Agriculture in the Classroom, Bloomington, IL**  
**Science in Your Shopping Cart**  
 American farmers grow the safest, most abundant, most affordable food supply in the world. But do your students know where their food comes from? This presentation features lessons from many of Illinois Agriculture in the Classroom's educator resources. Standards-aligned, these lessons are a great way to teach across curriculum areas as well as bring agriculture-themed learning into your classroom.

**HH 62 Jan Gustafson C. R. Hanna Elementary School, Orion, IL**  
**Combining Science & Literacy - You Can Do It!**  
There are many ways to incorporate literacy into science lessons or vice versa. Come and get some ideas how to combine science and literacy at the primary level.

**HH 64 Pat Sullivan Peace of Earth Environmental Learning Center, Rushville, IL**  
**Pond Critters**  
This session will show you how to bring science to life with your students. We will collect critters from a “pond” and create an “observation pond” from simple everyday materials. This is, by far, the most successful study unit I have used with students throughout the past 21 years. Collection techniques, identification, and observation will all be a part of this inquiry based activity session.

❖ ❖ ❖ **12:00-1:00 Mini Sessions Horrabin Hall Gym** ❖ ❖ ❖

**A Don Powers Western Illinois University, Macomb, IL**  
**Mirror, Mirror ....**  
They are used everyday but what do we really know about mirrors? See for yourself. Discover that what you thought to be true might not be so. (ILS Standard 12.C.2a - Describe and compare types of energy including light, heat, sound, electrical and mechanical.)

**B Valerie Keener Illinois Department of Natural Resources, Springfield, IL**  
**IDNR Resources Trunks Loan Program**  
Preview some of the IDNR resources trunks available for loan from numerous lending locations statewide and learn how they can enhance your curriculum. Nine topics are available.

**C Judy Witten & Noelle Flynn Lincoln School, Macomb, IL**  
**"Beady Buddies" Inspire Recycling Project**  
Use "beady buddies" as an inspiration for your students to make a home, playground, or other place needed in a community using only recycled materials. Student projects and pictures of the classroom community will be on display. All participants will make a beady buddy.

**D Teresa Sanford, Illinois Agricultural Literacy, Galesburg, IL**  
**Diana Goff, & Francis Steward Western Illinois University, Macomb, IL**  
**Spectacular Butterflies! Life of the Monarch**  
Participants will make connections exploring the life of magnificent Monarch butterflies (U.S. to Mexico) via literacy fiction and non-fiction books, technology, fine arts, hands-on activities, music, DVD, handouts, and make-it/take-it origami flying butterflies. Goals 12A. ...explain how living things function, adapt and change; B. ... interact .....

**E Charles Williams Illinois Petroleum Resources Board, Mt. Vernon, IL**  
**Story of Petroleum**  
The IPRB provides a free Traveling Field Trip Exhibit to any school or special event in the state of Illinois. The exhibit features working models of crude oil and natural gas equipment, and graphical learning stations which students must “explore” to find energy information. Students learn how oil and gas are formed, where and how it is found, and how it is produced and refined. Stop by to find out how all this can be part of your school.

- F Kent Buckrop & Ellen Thorndyke** **Glenview Middle School, East Moline, IL**  
**Extreme Home Makeover: Earthquake Edition**  
 Participants in this mini session will get the opportunity to build a structure and test its ability to withstand earthquake tremors. Recent earthquakes in Illinois allow integration of this activity into social studies and geography.
- G LaVerne Logan,** **Western Illinois University, Moline, IL**  
**Andrea Shoemaker-Timbrook & Emilie Heald**  
**Simple Scavenger**  
 Simple machines greatly impact our everyday lives. In this lesson we hope to help children explore the many simple machines around them. We will introduce six simple machines that can be found in objects around the classroom and home. Students will be given the opportunity to "hunt" for these machines around the classroom and record their findings. Through this activity students will be able to gain a better understanding of the simple machines around their classroom, home, and world. The activity meets ILS Standards 11A & 13B.
- H Kevin Finson** **Bradley University, Peoria, IL**  
**Making and Using Tactile Topographic Maps**  
 Tactile topographic maps can help students better understand landforms and their representations as topographic maps. Particularly problematic are situations when one wishes to use topographic maps, but students have vision limitations. The tactile maps presented in this presentation are useful for reinforcing learning for all students via tactile senses.
- I Harry Hendrickson** **Illinois Science Teachers Association**  
**Benefits of ISTA Membership**  
 Explore and see the many benefits of joining your fellow professional science teachers with a membership in the Illinois Science Teachers Association. Samples and materials will be shown and distributed. Current members should check to see if they are getting all their membership benefits.
- J Jennifer Smith** **Monticello Middle School, Monticello, IL**  
**Books, Blood, Brains and Writing in Middle School Science**  
 Participants in this session will be provided with a variety of classroom-tested techniques involving authentic reading and writing activities to be used when teaching anatomy in a middle school classroom. Hands on activities using trade books, magazines, websites and science journals as related to body systems will be addressed.
- K Abha Singh** **Western Illinois University, Macomb, IL**  
**STEM for PreK-2**  
 National Science Teachers Association (NSTA) report (2010) reports "Teachers are discovering they can spark students interest in science, technology, engineering and mathematics (STEM)" through formal and informal activities in the classroom. The purpose of this presentation is to provide examples that can be implemented in the PreK-2 classrooms pursuing STEM using simple machines.

## ❖ 2010 PreK-8 Science Education Update Conference Presenter Biographies ❖

**Michelle Adlinger** is a teacher at Mercer County Intermediate School in Aledo, Illinois. She has taught 19 years in middle school level Language Arts. She has her Bachelors of Science in Elementary Education from WIU and is presently working on her Masters in Elementary Education with an Interdisciplinary emphasis through WIU.

**Stacy Baker** is a currently teaching 3rd grade through junior high at Pleasant Hill School in Peoria. She has her Elementary Education degree from WIU and her master's degree in reading from ISU.

**Julie Bice** has been an elementary teacher for many years. She has a BS in Elementary Education from Quincy College and a MS in Elementary Education from WIU. In addition to teaching at West Prairie Middle School in Colchester she is also an adjunct instructor at Monmouth College. She is an avid SCIENCE and LITERATURE teacher, with a passion for music, art and the fine art of getting kids outside enjoying nature and learning at the same time...while getting dirty. Locally known to many as "Madame Butterfly" or "Digger" or "Mrs. Greenthumbs." She is a firm believer that every school should have an environmental habitat and advocate of NO CHILD LEFT INDOORS!

**Kent Buckrop** has an A.S. degree from Blackhawk College, B.S. from the University of Iowa, and M.S. from Western Illinois University. He has taught seventh grade science at Glenview Middle School for 20 years. He teaches an after school math/science enrichment class through IMSA and is part of the WIU ISAMS grant the last three years.

**Jenna Crouch** is from Reynolds, Illinois and currently an elementary education major at the WIU Quad Cities campus.

**Kevin Finson** earned his B.S., M.S., and PhD. at Kansas State University. He has taught high school, junior high, and middle school science and university science and science education courses in North Dakota, at WIU, and at Bradley University.

**Noelle Flynn** is in her second year of teaching at Lincoln School in Macomb where she teaches 3rd grade. In 2009 she earned her Master's in Reading.

**Diana Goff** – Diana is an assistant professor at WIU in the Curriculum and Instruction Department. She was educated and has taught both in Canada and U.S. She has a M.S. in Early Childhood Education from WIU. Diana was a reading specialist at U of I and has over thirty years of teaching experience in K-2. She has presented at regional, national and international conferences.

**Jan Gustafson** has her B.A. from Augustana College in Rock Island and her M.A. from Marycrest College in Davenport. She has taught kindergarten and first grade plus gifted education in Orion for 29 years. In 2004 Jan was a State Finalist for the Presidential Award for Excellence in Mathematics and Science Teacher and in 2009 was recognized as the Dispatch and Rock Island Argus Master Teacher of the Year.

**Emilie Heald** is a senior at WIU in the Quad Cities. She is also a preschool teacher at the Two Rivers YMCA in Moline, Illinois. Previously, she was a site supervisor for the YMCA before and after school care program.

**Harry Hendrickson** is the Executive Director for Illinois Science Teachers Association. Previously, Harry has worked with the Illinois Department of Natural Resources Groundwater Division and the Trees are Forever program.

**Tara Hinton** is from Geneseo, Illinois and an undergraduate student in Elementary Education at the WIU Quad Cities campus.

**Betsy Hommel** is an assistant professor in the Curriculum & Instruction Department with a B.S. and M.S. from Western Illinois University. She has taught for over twenty years in the public schools and at the university level.

**Jon Jones** is a Reading Professor at WIU where he also serves as the Director of the WIU Reading Clinic. Before coming to WIU he was a public school classroom teacher. He has his Doctorate in Reading from Ball State University.

**Valerie Keener** is the Illinois Department of Natural Resources Division of Education Administrator. She has presented numerous workshops for programs such as Project Learning Tree, Project WILD and ENTICE.

**Shawn King** is an undergraduate student in Elementary Education at WIU Quad Cities. He is from Geneseo, Illinois.

**Tom Kudwa** is a science teacher at Luddington High School in Luddington, Michigan. Tom is also a presenter and consultant for PASCO Scientific.

**LaVerne Logan** – LaVerne earned his PhD. from the University of Iowa. He is a professor and in his 11<sup>th</sup> year teaching undergraduate and graduate science classes at Western Illinois University. LaVerne taught elementary, middle school, and high school science in the Iowa public school system.

**Mary Jean Lynch** – Mary Jean is a professor at North Central College in Naperville. She works with K-8 preservice teachers at the college and K-8 inservice teachers in high-need schools. Her methodology has been described at national, regional, and local conferences on science education, and has been tested in K-8 classrooms in Chicago and the western suburbs.

**Kelly Matlick** has her Bachelors of Science in Elementary Education from WIU and is working on her Masters in Elementary Education with an Interdisciplinary emphasis through WIU. She has taught middle school level science for 9 years and is presently teaching at Mercer County Intermediate School in Aledo, Illinois.

**Cori Mueller-** Corrine is a FOSS Science Consultant after retiring from a 33 year career of teaching science. She has taught 25 years as a junior high science teacher, followed by six years as an elementary science resource teacher plus two years as a K-12 science consultant.

**Brian Poelker** teaches Science Methods at Eastern Illinois University. He retired from the middle school classroom after 33 years of teaching. Brian was the initial recipient of the ISTA Middle Level Science Teaching Award. At the national level he has received the Geological Society of America Award of Excellence, the National Association of Geoscience Teachers Outstanding Earth Science Teacher Award, and the Catalyst Award from the American Chemical Society.

**Gwen Pollock** is the current President of the Illinois Science Teachers Association.

**Don Powers** has a B.A. in Science Teaching and a M.A. in Science Education from the University of Northern Iowa, and a Ph.D. from Kansas State University. Don is a professor of science education at WIU, currently in his 21<sup>st</sup> year on the faculty. He has presented at the national, regional, and local levels. Dr. Powers has co-authored several funded grant projects in elementary science and currently serves as a Regional Director for the Illinois Science Olympiad and the Illinois Science Teachers Association.

**Kelly Murphy** is an Education Specialist for the Illinois Agriculture in the Classroom program. Ag in the Classroom is a program that provides educational resources, training and support related to agriculture for classroom teachers throughout the state.

**Teresa Sanford** is an Education Specialist for the Illinois Agricultural Literacy program. This program provides support related to agriculture for literacy teachers throughout the state.

**Carol Schnaiter** is a K-4 Science teacher at Amboy Central School in Amboy, Illinois. She received her Master of Science in Education from Eastern Illinois University. Carol was the 2009 ISTA/ExxonMobil Outstanding Teacher of Science Awardee and recently named the 2010 Lee County Ag in the Classroom Teacher of the Year. She lives in Amboy with her husband, Jeff, and has two daughters, Amanda who lives in Connecticut, and Jessica, a sophomore at Western Illinois University.

**Amanda Shoemaker-Timbrook** is a teacher education student at the WIU Quad Cities campus. Andrea is currently completing her pre-student teaching experience in the Rock Island School District and will student teach in the fall.

**Abha Singh** is completing her second year at Western Illinois University where she teaches science methods and field experiences. She has her MS and Ph.D. from the University of Iowa in science education and environmental science and a minor in gifted education. Her current research focuses on reflective journaling by preservice teachers.

**Jennifer Smith** holds a Bachelor's in Elementary Education and a Master's Degree with a specialization in reading instruction from Eastern Illinois University. She taught two years in a self-contained 5<sup>th</sup> grade classroom and is currently in her third year teaching 8th grade science and language arts at Monticello Middle School in Monticello, Illinois.

**Jonathan Smith** received a Bachelors in Education with a concentration in science from Bradley University in 2005 and is presently enrolled in the WIU Educational Leadership Program. He teaches 4<sup>th</sup> grade science at Central Intermediate School in Washington, Illinois. He is the recipient of the 2009 National City First grant and the 2009 Tazewell County ROE multi-classroom grant.

**Frances Steward** - Dr. Steward is an associate professor at WIU with a Ph.D. in Curriculum and Instruction with an emphasis in Reading. She has served as a reading specialist, curriculum director, classroom teacher (K-12), and educational specialist in the public schools. She currently teaches undergraduate reading and parental involvement. She presents and publishes at the international, national, and state levels.

**Pat Sullivan-** Pat has 22 years of environmental education experience working with all age levels and environmental topics including 10 years on the board of the Environmental Education Association of Illinois and 5 years on the board for the LaMoine River Ecosystem Partnership. She has a M.S. in Outdoor Education and is a Project WILD Facilitator.

**Ellen Thorndyke** received her Bachelors in Elementary Education in 2008. She presently teaches 7<sup>th</sup> grade science at Glenview Middle School in East Moline, Illinois.



**Carol Van De Walle** – Carol taught for more than 30 years at the intermediate level and is now an adjunct faculty for WIU in the Quad Cities with the Department of Curriculum and Instruction. She is active in ISTA and NSTA and has earned the Presidential Award for Elementary Science, Christa McAuliffe Fellowship, the Maurice G. Kellogg Award for Excellence in Science Teaching, and was recently a teacher leader in a three year grant program - Project Horizon. Carol has had numerous articles published in various science education journals. She has a BA from Knox College and a MS from WIU.

**Charles Williams** is a representative for the Illinois Petroleum Resources Board. He has made numerous presentations throughout the state educating students and adults about the petroleum resources housed in the state of Illinois.

**Judy Witten** teaches 3rd grade at Lincoln School in Macomb. She has 23 years of teaching experience. In 1991 she received her Masters in Education from WIU.

**John J. Zenchak** – John is a professor at North Central College in Naperville. He works with K-8 preservice teachers at the college and K-8 inservice teachers in high-need schools. His methodology has been described at national, regional, and local conferences on science education, and has been tested in K-8 classrooms in Chicago and the western suburbs.

### ***Continuing Professional Development Units (CPDU's)***

***Western Illinois University is a recognized professional development provider and the conference is registered with the Illinois State Board of Education to provide 6.5 CPDU's toward certificate renewal. We will be providing each teacher participating in the conference today with two evaluation forms, one to be turned in to us and the other form that you will take with you as evidence of completion of the 6.5 hours. The forms will be available for distribution at the conclusion of the conference, following the networking lunch, announcements and drawing for door prizes, today in the Horrabin Hall gym.***

## 2010 Prek-8 Science Update Conference Exhibitors

### Agency/Vendor

Flinn Scientific  
113 Read St., Elburn, IL 60119

Illinois Agriculture in the Classroom  
1701 Towanda Ave., Bloomington, IL 61701

Illinois Associate of Aggregate Producers  
1115 S. 2nd St., Springfield, IL 62704

Illinois Department of Natural Resources  
One Natural Resources Way, Springfield, IL 62702

Illinois Petroleum Resources Board  
824 E. IL Hwy 15 PO Box 941, Mt. Vernon, IL 62864

Illinois Science Teachers Association  
218 Cumberland Dr., Rochester, IL 62563

Illinois State Museum  
502 S. Spring St., Springfield, IL 62706-5000

\*Lights for Learning  
1242 Main St., Springfield, MA 01103

\*MicroTech Microscope Sales & Service  
603 8th Ave., Mendota, IL 61342

Nature Quilt Project  
Macomb, Illinois

PASCO Scientific  
10101 Foothills Blvd., Roseville, CA 95747

Peace of Earth Environmental Learning Center  
Route 4, Box 41, Rushville, IL 62681

The Scope Shoppe  
113 Read St., Elburn, IL 60119

School Specialty  
W6316 Design Drive, Greenville, WI 54942

### Representative

Pat Schlinder  
scopecam@aol.com

Kelly Murphy  
kmurphy@ilfb.org

Shawn McKinney  
shawn@hansoninfosys.com

Valerie Keener  
Valerie.Keener@illinois.gov

Charles Williams  
iprb@yahoo.com

Harry Hendrickson  
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Nina Walthall  
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Jackie Perrin  
jackiep@appliedproactive.com

Warren Holmes  
warren@scopeman.com

Mary McMahan  
mcmahanm@westprairie.org

Tom Kudwa  
tkudwa@lasd.net

Pat Sullivan  
tpsulliv@frontiernet.net

Pat Schlinder  
scopecam@aol.com

Cori Mueller  
cmueller48@yahoo.com

\* representative may not be present at the conference.

We offer our thanks to the commercial and agency exhibitors for providing the many door prizes made available to the participants attending the Twenty-Fourth Annual PreK-8 Science Education Update Conference. Please be sure to visit their displays and express your appreciation.

### ***WIU Science Education Center Faculty & Staff***

Dr. Donald T. Powers, Professor, conference coordinator  
Dr. Barbara R. Sandall, Professor, registration, lunch, local arrangements coordinator  
Dr. LaVerne Logan, Professor, on-site coordination, transportation  
Dr. Abha Singh, Assistant Professor, on-site coordination, transportation  
Mr. Louis Sisto, Graduate Assistant, program preparation, on-site coordination, transportation

We express our thanks to Western Illinois University, the College of Education and Human Services and the Department of Curriculum & Instruction for making the conference possible.

Dr. Al Goldfarb, WIU President  
Dr. Nick DiGrino, COEHS Dean  
Dr. Erskine Smith, COEHS Dean for Administration  
Dr. Lance Ternasky, COEHS Associate Dean for Academic Affairs  
Dr. Roni Carson, COEHS Assistant Dean for Undergraduate & Teacher Education  
Dr. Cindy Dooley, Curriculum & Instruction Chair

#### **Maurice G. Kellogg Award for Excellence in Science Teaching Recipients**

<b>2003 Elizabeth Burton</b>	<b>2006 Steve Hoffman</b>
<b>2004 Carol Van De Walle</b>	<b>2007 Kent Buckrop</b>
<b>2005 Greg Van Vleet</b>	<b>2008 Tracy Trimpe</b>
<b>2009 Mary McMahon</b>	

**Mark you calendars for the  
Twenty-fifth Annual PreK-8 Science Education Update Conference  
April 15, 2011  
(tentative schedule)**

## Notes