

## 2013 PreK-8 Science Education Update Conference ---- Program “At-A-Glance”

<b><u>7:30 am</u></b>		<b><u>Registration Opens</u></b>	<b>Northwest Hallway</b>
<b><u>8:00 am</u></b>		<b><u>Registration &amp; Exhibits</u></b>	<b>Northwest Hallway</b>
<b><u>8:30-9:20 am</u></b>		<b><u>Concurrent Sessions I</u></b>	
HH 1	Frances Steward	<b>Children’s Literature in Science: New Releases</b>	preK-8
HH 3	Margaret Harn & Dawn Weinberg	<b>Top 40 Hits of Planet Earth</b>	preK-8
HH 26	Kevin Finson	<b>Visual Data: Using Science Representations in Teaching</b>	2-8
HH 27	Barry Witten & Nathan Doyle	<b>Drone On! Unmanned Aerial Vehicles and the Controversy They Create</b>	5-8
HH 59	Emily Dawson & Linda Miller	<b>Embracing New Digital Resources with PBS LearningMedia</b>	preK-8
HH 62	Tracy (Trimpe) Tomm & Cheryl McDaniel	<b>Science Spotlight: Interactive Science Notebooks</b>	5-8
<b><u>9:30-10:20 am</u></b>		<b><u>Concurrent Session II</u></b>	
HH 1	Frances Steward	<b>Children’s Literature in Science: New Releases</b>	preK-8
HH 7	Lisa Maxwell & Carol Van De Walle	<b>Graphing is Elementary</b>	5-8
HH 43	Mathew Hagaman	<b>All the Way to State: Staging a Science Fair</b>	5-8
HH 44	Kathy Mainz	<b>Next Generation in the Elementary Classroom</b>	2-5
HH 62	Tracy (Trimpe) Tomm	<b>Science Spotlight: Transforming Technology</b>	5-8
HH 82	John J. Zenchak & Maggie Detwiler	<b>The NGSS can be a breeze using engineering design with an inquiry approach</b>	preK-8
<b><u>10:20-11:00 am</u></b>		<b><u>Exhibits &amp; Hospitality</u></b>	<b>Northwest Hallway</b>
<b><u>11:00-11:50 am</u></b>		<b><u>Concurrent Session III</u></b>	
HH 1	Frances Steward	<b>Children’s Literature in Science: New Releases</b>	preK-8
HH 4	Marie Cheak & Susan Massey	<b>Live Science</b>	2-5
HH 25	Julie Ann Bice	<b>Through Butterfly Gardening and raising Monarch Butterflies... Life Science will come ALIVE for your students</b>	preK-8
HH 26	Carol Schnaiter	<b>Learning the Dangers of an Oil Spill</b>	2-5
HH 27	Jennifer Smith	<b>Creating and Implementing Low Cost/No Cost Take Home Lab Kits</b>	5-8
HH 62	Mary McMahon	<b>Exploring Science on the Iditarod Trail</b>	2-8
<b><u>12:00-1:00 pm</u></b>		<b><u>Mini Sessions</u></b>	
A.	Don Powers	<b>Science with an ice chest</b>	
B.	Breanna Aswege & LaVerne Logan	<b>Measuring Lines &amp; Density Applications</b>	
C.	Beth Carroll, Myra Eystand, Angelia Mitchell, Ashley Wright & LaVerne Logan	<b>How Our Lungs Work</b>	
D.	Frances Steward & Boh Young Lee	<b>Oh, Why? Because.: Causal Relationships, Mediated (catalyst) &amp; Contextual Prediction</b>	
E.	Kent Buckrop & Ellen Thorndyke	<b>Mental to Model</b>	
F.	Sebastian Szyjka	<b>Keep your Motor Running</b>	
G.	Terry Smith	<b>Water Quality in 3-D</b>	
H.	Abha Singh	<b>Dancing Milk!</b>	
<b>1:00-1:45</b>	<b>LUNCH</b>		<b>Horrabin Hall Gymnasium</b>
<b>1:45-2:30</b>	<b>WELCOME, ANNOUNCEMENTS &amp; DOOR PRIZES</b>		<b>Horrabin Hall Gymnasium</b>

## 2013 PreK-8 Science Education Update Conference

Welcome to the 27th Annual PreK-8 Science Education Update Conference. At 1:00 pm lunch will be held in the Horrabin Hall Gymnasium. Awards, announcement and door prize drawing will follow lunch. The conference is scheduled to conclude by 2:30 pm.

②      ②      ②      **8:30-9:20 Concurrent Session I**      ②      ②      ②

### HH 1 **Children's Literature in Science: New Releases**

*Frances Steward*

*Western Illinois University, Macomb, IL*

This open session will offer participants an opportunity to browse new trade books 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 3 **Top 40 Hits of Planet Earth**

*Margaret Harn &  
Dawn Weinberg*

*McDonough County Farm Bureau/  
Hancock County Illinois Extension Service*

Take home engaging, hands-on activities that will certainly make your students want to learn more about our planet. Lessons will range from Earth Day activities to habitats to soils and many more! Come and join area Ag in the Classroom coordinators for hands-on fun.

### HH 26 **Visual Data: Using Science Representations in Teaching**

*Kevin Finson*

*Bradley University, Peoria, IL*

Visual data: how should you plan for their use in your science teaching? We'll work with some visual representations of science concepts to explore the demands they place on teachers and students. Then, we'll discuss how to better plan for their use from teacher and student perspectives.

### HH 27 **Drone On! Unmanned Aerial Vehicles and the Controversy They Create**

*Barry Witten & Nathan Doyle*

*Western Illinois University, Macomb, IL*

Have you ever wondered what the hubbub concerning drones is all about? In this session we will explore the different kinds of drones, the science that enables them to fly, their various military and civilian uses, and why they have grown in popular culture. In addition, we will explore the various controversial elements of drones through their relationship to Science, Technology and Society.

### HH 59 **Embracing New Digital Resources with PBS LearningMedia**

*Emily Dawson &  
Linda Miller*

*Riverview Grade School/PBS LearningMedia Teacher Core &  
WTVP PBS*

Explore the thousands of classroom-ready, curriculum-targeted digital resources provided by PBS LearningMedia. Learn how to incorporate these free resources aligned to Common Core from your local PBS LearningMedia Teacher Core Representative. Receive training on 'favoriting' resources, create and sharing of classroom pages through folders and social media, and help with registering students for individualized instruction.

### HH 62 **Science Spotlight: Interactive Science Notebooks**

*Tracy (Trimpe) Tomm & Cheryl McDaniel*

*Havana Junior High, Havana, IL*

Wish your students would remember what they learned and connect it to other concepts or subjects? Want a tool you can use to document student learning and growth? Join us for this session to learn how to turn a spiral notebook into an interactive learning tool and take your classroom lessons to a new level! We will share our favorite tips and tricks to help you implement them into your science classroom. Handouts and prizes will be provided!



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



**HH 1 Children’s Literature in Science: New Releases**

*Frances Steward*

*Western Illinois University, Macomb, IL*

This open session will offer participants an opportunity to browse new trade books 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 Graphing is Elementary**

*Lisa Maxwell & Carol Van De Walle*

*Eugene School, Rock Island, IL*

Graphing is a form of communication. Join us as we explore the “typical student” and other topics. You will decide on types of graphs to use; construct graphs to communicate information; go through a series of important steps to create a successful graph; promote high level thinking through questioning strategies; and integrate math and science.

**HH 43 All the Way to State: Staging a Science Fair**

*Mathew Hagaman*

*Cornell Grade School, Cornell, IL*

We know that a science fair can be a great experience – it gets students thinking and integrates language, math and science. It provides students with valuable skills for high school and beyond. If you need some pointers, you can walk away from this session with everything you need.

**HH 44 Next Generation in the Elementary Classroom**

*Kathy Mainz*

*Monmouth College, Monmouth, IL*

Use everyday household materials to help children explore simple science principles found in their world. This presentation is based on activities developed by scientists at the *Next Generation Project* in London. We will examine a water filtration system, Earth-Moon models, and yeast balloons to create a wider understanding of science for students in your classroom.

**HH 62 Science Spotlight: Transforming Technology**

*Tracy (Trimpe) Tomm*

*Havana Junior High, Havana, IL*

Join me to explore my favorite technology tools and instructional strategies that will engage your students and transform your classroom! I will be sharing my favorite apps and online resources along with information about “flipping” your classroom. Handouts and prizes will be provided!

**HH 82 The NGSS can be a breeze using engineering design with an inquiry approach**

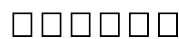
*John J. Zenchak &*

*North Central College, Naperville, IL &*

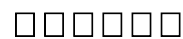
*Maggie Detwiler*

*St. Irene School, Warrenville, IL*

Learn how to engage all levels of students in the engineering design of wind turbines blades to increase the efficiency of converting mechanical energy into electrical energy. This activity combines all three dimensions of the *Framework* using an inquiry approach while meeting the new reading standards for informational literacy.



**10:20 – 11:00 Break**



**Exhibits & Hospitality North Hallway**

**HH 1 Children's Literature in Science: New Releases***Frances Steward**Western Illinois University, Macomb, IL*

This open session will offer participants an opportunity to browse new trade books 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 4 Live Science***Marie Cheak & Susan Massey**Western Illinois University, Macomb, IL*

Liven up your science content and liven up your students' engagement with this hands-on workshop incorporating digital literacies into your science classroom. We will learn how to enhance students' ability to obtain, evaluate, and communicate scientific information.

**HH 25 Through Butterfly Gardening and raising Monarch Butterflies...****Life Science will come ALIVE for your students***Julie Ann Bice**Science Educator, Quincy, IL*

Open the door to outdoor education by learning experiential learning techniques to help your students discover the wonders of the complete metamorphosis of Illinois' precious state insect, the Monarch. You will learn to raise nectar and larval plants, experience interdisciplinary butterfly activities and even do a "little song and dance" to promote safe journeys for our winged "jewels of the air."

**HH 26 Learning the Dangers of an Oil Spill***Carol Schnaiter**Amboy Central Elementary, Amboy, IL*

This session focuses on an integrated 3<sup>rd</sup> grade activity using the book *Oil Spill*. Learn how students decide what to use to clean up an oil spill, try it...rethink it...try it... and then integrate writing into the lesson by writing a newspaper article and letters to public policy makers. See all the connections to the Common Core Standards.

**HH 27 Creating and Implementing Low Cost/No Cost Take Home Lab Kits***Jennifer Smith**Monticello Middle School, Monticello, IL*

Participants in this session will learn how to create take home lab kits for their students using low/no cost materials. The presentation will include teacher-tested lesson plans, assessment options, and implementation recommendations. Shared lesson plans focus on problem solving and data collection tasks and tie into the Common Core Standards.

**HH 62 Explore Science on the Iditarod Trail***Mary McMahon**West Prairie Middle School, Colchester, IL*

The Iditarod Sled Dog Race has started the first Saturday in March for the last 41 years. The race is the perfect way to engage students in many science, math, reading, and writing activities. Several activities will be shared as well as the professional development opportunities available.



## 12:00-1:00 Mini Sessions Horrabin Hall Gymnasium

- A. Science with an ice chest**  
*Don Powers* *Western Illinois University, Macomb, IL*  
We all use ice chests or ice coolers. We know why we use them. But do you know how they work. Discover the scientific concepts behind keeping your food and beverages cool.
- B. Measuring Lines & Density Applications**  
*Breanna Aswege & LaVerne Logan* *Western Illinois University, Macomb, IL*  
This hands-on activity features the use of measure lines to visually represent data yielded by several density investigations. Such visual representations are a key to the next step: data analysis. The activity meets Illinois Learning Standards 11A and 12C and is suitable for students in grades 5-8 although it could be adapted for younger children.
- C. How Our Lungs Work**  
*Beth Carroll, Myra Eystad, Angelia Mitchell,*  
*Ashley Wright & LaVerne Logan* *Western Illinois University, Macomb, IL*  
The focus of this session is to give a concrete example of how the lungs work by creating a working model. It will be a 'breath of fresh air!'. This session is presented for elementary grades 3-5 and can be also adapted for middle school content. The Illinois Learning Standards will be addressed.
- D. Oh, Why? Because.: Causal Relationships, Mediated (catalyst), & Contextual Prediction**  
*Frances Steward and Boh Young Lee* *Western Illinois University, Macomb, IL*  
Cross cutting concepts (Literacy, Science and Fine Arts) will be provided with hands-on activities, discussion webbing, graphic design, interactive questioning models, fiction and nonfiction children's books. Relevant handouts will be provided.
- E. Mental to Model**  
*Kent Buckrop/Ellen Thorndyke* *Glenview Middle School, East Moline, IL*  
Stop by our minisession and see examples of models we use in middle school. Models allows scientists and students to better visualize and understand a phenomenon or develop possible solutions.
- F. Keep Your Motor Running**  
*Sebastian Szyjka* *Western Illinois University, Macomb, IL*  
Stop by this mini session to build your own motor with armature and commutator! Learn about how motors work to convert electrical energy into movement. All you need to build an interesting motor is some magnet wire, a Styrofoam cup, tape, battery and wire. Come check it out!
- G. Water Quality in 3-D**  
*Terry Smith* *Western Illinois University, Macomb, IL*  
Common macroinvertebrates can be used to determine water quality. This 3-D simulation will allow students to learn how to use common macroinvertebrates to provide information about pollution tolerance. The 3-D simulation will allow students to practice interpreting data to arrive at scientific conclusions before the students go out in the field.
- H. Dancing Milk!**  
*Abha Singh* *Western Illinois University, Macomb, IL*  
This presentation will demonstrate how milk behaves in the presence of another liquid. Is color dispersal a possibility with milk? How can milk move by itself? Can chemical bonds be altered? What is the science behind what you observe?

② ② ② 1:00-1:45 Lunch ② ② ②  
Horrabin Hall Gymnasium

② ② ② 1:45-2:30 Awards, Recognition & Door Prizes ② ② ②  
Horrabin Hall Gymnasium

*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.*

② 2013 PreK-8 Science Education Update Conference Presenter Biographies

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**Breanna Aswege** is an undergraduate at Western Illinois University - Quad Cities Campus, majoring in Elementary Education with endorsements in language arts, social studies and science. She has tutored and provided instruction to elementary and middle school students, including several English language learners.

**Julie Ann Bice** is known by many nicknames, such as Madame Butterfly, the Butterfly Lady, or even “Digger”. She has had a wonderful career teaching young and old about the beauty of butterflies. She received a BS degree from Quincy University and her MS degree from Western Illinois University. She has raised 1000’s of monarch butterflies in science classrooms around the state. Teaching is her PASSION. In 2011 she was the proud recipient of the Maurice Kellogg Award for Excellence in Science Teaching, named after her mentor and inspiration in science education himself, Maurice Kellogg.

**Kent Buckrop** teaches at Glenview Middle School in East Moline. He has a BS from the University of Iowa and his MS from WIU. Kent has been a teacher for 23 years and in 2007 was the recipient of the Exxon Mobil Outstanding Teacher of Science Award and the Maurice G. Kellogg Award for Excellence in Science Teaching.

**Beth Carroll** is an undergraduate at Western Illinois University - Quad Cities Campus, majoring in Elementary Education with endorsements in English, Social Studies, Math and Science. Beth has worked with a wide range of student age groups through coaching junior high school volleyball, teaching Junior Achievement, teaching summer and winter sessions with the Illinois Math and Science Academy, and the Girl Scouts.

**Marie Cheak**, Ph.D., is a literacy instructor at Western Illinois University - Quad Cities Campus. Dr. Cheak focuses her research on engagement of students in critical thinking through the integration of literacy throughout the curriculum. She has teaching experience at various grade levels.

**Emily Dawson** is a junior high science teacher at Riverview Grade School in East Peoria, Illinois. She specializes in developing project based learning experiences for her students, with more and more emphases on incorporating digital media into the classroom lessons. Over the past two school years Emily has built an 80-foot wind turbine, created 10,000 square feet of native Illinois garden spaces including a native Illinois prairie restoration plot, and has recently been named a PBS LearningMedia Teacher Core member. Emily has taken on grant writing as a hobby or a borderline obsession to acquire materials for her science classroom. She has won 28 grants over the last three years. Grant writing and community outreach have proven to be vital in increasing the number and variety of projects for her students.

**Maggie Detwiler** is a junior high mathematics and science teacher at St. Irene School in Warrenville and uses inquiry-based methodology to teach science in her classroom. She has presented the approach emphasizing engineering design at a an inservice session for the faculty at her school and at a state science conference.

**Nathan Doyle** is a master’s candidate in the History Department at Western Illinois University. He also works for Dr. Barry Witten as a graduate assistant for the Department of Curriculum and Instruction in Social Studies Education. He graduated with his bachelor's degree in History, and a minor in political science, in 2011 from MacMurray College in Jacksonville, Illinois. He is married with a six-year old son.

**Myra Eystand** is an undergraduate student at Western Illinois University - Quad Cities Campus. Myra is majoring in Elementary Education with endorsements in language arts, social studies and middle school. She has worked with elementary and middle school students through her participation in several school programs and her educational experience. **Kevin Finson** earned his BS, MS, 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.

**Matt Hagaman** has been developing computer software for both education and commerce since 2005. He graduated with a B.S. Ed. in Elementary Education in Fall 2009. During his 7<sup>th</sup> and 8<sup>th</sup> grade years he reached the highest levels in science fair participation and has led his students to success in two different Illinois regions as well as at the state science exhibition. He uses technology in all its forms to engage students in his science and social studies classroom.

**Margaret Harn** is the Ag in the Classroom Coordinator for McDonough County. Margaret retired in 2010 after teaching 1<sup>st</sup> grade at Industry Elementary School for 34 years.

**Boh Young Lee** has been working with children, their parents, and teachers, pre-service as well as in-service, for eight years. Her qualifications include Masters in Early Childhood Education and Ph.D. in Child and Family Development. She has been a Professor in Early Childhood at WIU for two years.

**LaVerne Logan** earned his Ph.D. from the University of Iowa. He is a professor and in his 13<sup>th</sup> year teaching undergraduate and graduate science and middle level education classes at Western Illinois University - Quad Cities campus. Prior to coming to Western Illinois LaVerne taught elementary, middle school, and high school science in the Iowa public school system.

**Kathy Mainz** has a BS in Elementary Education from WIU, extensive graduate work in science education, gifted and talented education, geology, geography, and meteorology. She is presenting completing her MS in Elementary Curriculum from WIU. Kathy has taught middle school science in Iowa and Illinois for 10 years and was a State Science and Gifted consultant for the Iowa Department of Education for four years. Currently Kathy is an adjunct at Monmouth College in the Department of Educational Studies and Department of Biology. She also serves as Monmouth's Chemical Safety Director and Director for Kids at Monmouth for 6 years.

**Susan Massey**, Ph.D., is a literacy instructor at Western Illinois University Quad-Cities Campus. Dr. Massey is interested in literacy coaching and integrating digital literacies into content areas. She has teaching experience at various grade levels.

**Lisa Maxwell** has her BA in Elementary Education and MS in Elementary Science Education, both from WIU. With 20 years teaching experience, she has participated in Purdue University's Earth Science Summer program and the RIROE's Project Horizon and Near & Far Science programs. She has also presented at ISTA and NSTA as well as past Update Conferences. In 2012 Lisa received the Maurice G. Kellogg Award for Excellence in Science Teaching, the Master Teacher Award, and was recognized by Who's Who Among American Teachers.

**Cheryl McDaniel** is a 5<sup>th</sup> grade science and mathematics instructor at Havana Junior High School in Havana, IL. She is co-sponsor of the Science Club. She developed the junior high's "Roboducks" robotics programs and also coaches the Scholastic Bowl team.

**Mary McMahan** teaches 5<sup>th</sup> and 6<sup>th</sup> grade at West Prairie Middle School in Colchester. She is the 2009 Maurice G. Kellogg Excellence in Science Teaching Award winner. She has her BS degree and her MS degree from WIU.

**Linda Miller** is the Vice-President of Programming for WTVP, Peoria, Illinois's local PBS station. She has been involved with the Illinois Public Broadcasting Council (IPBC), the state station collaboration, providing PBS LearningMedia. In 2011, the stations commissioned a pilot study of the service with 74 teachers representing 43 public and private schools across the state. Now, along with IPBC, WTVP is providing Illinois educators with strategies, tools, and professional development resources to utilize digital learning.

**Angelia Mitchell** is an undergraduate at Western Illinois University – Quad Cities, majoring in Elementary Education seeking endorsements in English, social studies, math, and possibly science. Angelia has experience working with all levels of students through daycare, after school programs, Girl Scouts, youth leading, tutoring and other volunteer experiences. Angelia ultimately hopes to discover how to lead a fully hands-on classroom and school and continue her studies towards a master in administration to become a principal.

**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 24<sup>th</sup> year on the faculty.

He has presented at the national, regional, and local levels. Dr. Powers has co-authored several grant-funded projects in elementary science and currently serves as a Regional Director for the Illinois Science Olympiad and the Illinois Science Teachers Association.

**Carol Schnaiter** is a 3<sup>rd</sup> grade teacher at Amboy Central Elementary School. She has organized numerous family nights for the Amboy community. Carol is also an Illinois Science Teachers Association Regional Director.

**Abha Singh** is completing her fifth 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** is in her 8<sup>th</sup> year of teaching and her 6<sup>th</sup> year of teaching 8<sup>th</sup> grade at Monticello Middle School. She has Masters Degrees in Elementary Education and English and is National Board certified in early adolescent science. Jennifer is a regular presenter at the Illinois Science Education Conference.

**Terry Smith** earned his Ed.D. in Learning Technologies from Pepperdine University and has taught teacher education courses in science, social studies and educational technology. Before coming to WIU he taught 14 years in an elementary classroom including talented and gifted students. Dr. Smith is active in global Internet projects serving as manager for a Kidlink social studies project called Landmark, and also managing a yearly project-based learning event called Monsters.

**Frances Steward** has actively served 49 years in various educational roles including teaching, supervising, consulting and administration. She has her Bachelors, Masters, Ph.D. Educational Specialist, Reading Specialist, Supervision, and Special Education. Teaching pre-service teachers and designing and participating in their professional experiences are her JOYS!

**Sebastian Szyjka** is completing his third year as a member of the Science Education Center. Dr. Szyjka earned his BA and MA from WIU and his PhD in Curriculum and Instruction from Southern Illinois University, Carbondale. He has presented at state and national conferences and has had a number of articles published in reviewed publications.

**Elizabeth Thorndyke** has taught at Glenview Middle School in East Moline for four years. She has her Associate Degree from Black Hawk College and her Bachelor in Science from Western Illinois University.

**Tracy (Trimpe) Tomm** is an 8<sup>th</sup> grade science instructor and technology coordinator at Havana Junior High School in Havana, IL. She is co-sponsor of the Science Club and sponsors the iDuck Network.com, a school news program. She is the creator of the Science Spot – <http://sciencespot.net/>, an award-winning website for middle school teachers and students. She is also a consultant for RICE University's Center for Technology.

**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, Maurice G. Kellogg Award for Excellence in Science Teaching, CESI Exemplary Elementary Science Teacher Award, and WIU Alumni Achievement Award. Carol has had numerous articles published in various science education journals. She has a BA from Knox College and a MS Degree from WIU.

**Dawn Weinberg** has been the Hancock County Ag in the Classroom coordinator for more than 15 years in Hancock County. She has helped author lessons for ag mAGic kits and the “Top 40 Hits of Planet Earth.”

**Barry Witten** earned his Ph.D. from Kansas State University in Curriculum and Instruction in 1999. He currently teaches courses in Social Studies Education in the Department of Curriculum and Instruction at WIU. Dr. Witten worked with two U.S. history grants for area American History teachers funded by the U.S. Department of Education. He edited seven volumes of teaching strategies as editor of publications for both grants. He is active in several state and national professional organizations.

**Ashley Wright** is an undergraduate at Western Illinois University Quad-Cities Campus, majoring in Elementary Education. Ashley attended Black Hawk College where she completed her Associates Degree in Elementary Education. She has worked with children at home and while tutoring during the WOW Reading and AIM High Science programs.

**John J. Zenchak**, a professor at North Central College in Naperville, 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, in *Science and Children*, and has tested in K-8 classrooms in the Chicago area.



## 2013 PreK-8 Science Update Conference Exhibitors

*We offer our thanks to the commercial and agency exhibitors for providing the many door prizes made available to the participants attending the Twenty-Seventh Annual PreK-8 Science Education Update Conference.*

Please be sure to visit their displays and express your appreciation.

### Agency/Vendor

Dickson Mounds Museum  
10956 N. Dickson Mounds Road, Lewistown, IL 61520

Flinn Scientific  
PO Box 8058, 113 Read St., Elburn, IL 60119

Illinois Department of Natural Resources – Education  
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  
146 Chestnut St., Springfield, MA 01103

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

\*Ward's science +  
1221 Suffolk St., Naperville, IL 60563

The Scope Shoppe  
PO Box 8058, 113 Read St., Elburn, IL 60119

### Representative

Christa Christensen  
[cchristensen@museum.state.il.us](mailto:cchristensen@museum.state.il.us)

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Pat Schlinder  
[scopecam@aol.com](mailto:scopecam@aol.com)

*\* Their representative could not attend the conference but they provided product materials and/or door prizes.*

The PreK-8 Science Update Conference is supported by the  
Maurice G. Kellogg Science Education Center Fund,  
Kellogg Science Education Endowment Fund,  
College of Education and Human Services,  
Department of Curriculum & Instruction, and  
Illinois Science Teachers Association

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

Dr. LaVerne Logan, Professor, on-site coordination, transportation  
Dr. Donald T. Powers, Professor, conference coordinator  
Dr. Abha Singh, Assistant Professor, registration, on-site coordination  
Dr. Sebastian Szyjka, Assistant Professor, local arrangements coordinator, transportation  
Ms. Joanne Boit, Graduate Assistant, local arrangements, 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 their support in making the conference possible.

Dr. Jack Thomas, WIU President  
Dr. Sterling Saddler, College of Education & Human Services Dean  
Dr. Erskine Smith, COEHS Associate Dean for Administration  
Dr. Dale Adkins, COEHS Associate Dean for Academic Affairs  
Dr. Cindy Dooley, Curriculum & Instruction Chair

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

<b>2003</b>	<b>Elizabeth Burton</b>	<b>2008</b>	<b>Tracy Trimpe</b>
<b>2004</b>	<b>Carol Van De Walle</b>	<b>2009</b>	<b>Mary McMahon</b>
<b>2005</b>	<b>Greg Van Vleet</b>	<b>2010</b>	<b>Judy Witten</b>
<b>2006</b>	<b>Steve Hoffman</b>	<b>2011</b>	<b>Julie Ann Bice</b>
<b>2007</b>	<b>Kent Buckrop</b>	<b>2012</b>	<b>Lisa Maxwell</b>

**Mark you calendars for the  
Twenty-eighth Annual PreK-8 Science Education Update Conference  
April 25, 2014  
(tentative schedule)**

**Plan now to attend the  
Illinois Science Education Conference  
“Next Generation Science in Illinois”**

**October 24 - 26, 2013  
Tinley Park Convention Center  
Tinley Park, Illinois  
<http://www.ista-il.org/>**

The Illinois Science Teachers Association is holding a  
**Special Membership Drive**  
now through June 15

**One-year individual memberships are now only \$20!**  
Save \$10 over a regular membership.

With the NGSS having just been released, ISTA will be an important source of information for all teachers of science, from Kindergarten through High School.

**Keep informed about this year's  
Illinois Science Education Conference  
to be held October 24-26 in Tinley Park**

The Conference will offer numerous sessions on the  
Next Generation Science Standards,  
targeting ALL grade levels, including K-5, 6-8 and 9-12.  
Also offered will be sessions linking the NGSS with both the Math and  
English/Language Arts CCSS.

**Stay informed about the upcoming  
2015 National Science Teachers Association Conference  
in Chicago on March 26-29, 2015**

Joining ISTA will help provide evidence for:

- Enhancement of Content Knowledge and Pedagogical Skill
- Collaboration and Professional Inquiry to Advance Student Learning
- Participation in School Leadership Team

To take advantage of this opportunity to join an active professional organization,  
Fill out and mail the membership form found in today's conference folder,  
or

visit: <https://docs.google.com/forms/d/1GrJzTAPCAhn3G5UICHThq2f5xdEGTC9m9K78Ilcijo/viewform>

This link takes you to the ISTA Membership Drive Application Form.  
After completing this form and hitting the "submit" button,  
you will be taken to secure PayPal website where you will submit your payment for  
\$20 for a one-year individual membership.

Note that you do not need a PayPal account as you may pay with a Credit Card if you prefer.

## Notes