

2012 PreK-8 Science Education Update Conference ---- Program “At-A-Glance”

7:30 am		<u>Registration Opens</u>	
8:00 am		<u>Registration & Exhibits</u>	
8:30-9:20 am		<u>Concurrent Sessions I</u>	
HH 1	Betsy Hommel	Children’s Literature in Science: New Releases	preK-8
HH 3	Julie Bice	Butterfly Gardening	preK-8
HH 7	Lauren Moneysmith & Sandra Smith	Amazing Animals	2-5
HH 25	Brian Poelker	Touch Another World: Exploring Meteorites and Meteorwrongs	2-8
HH 43	Joe Simmons	TeacherGeek: Put the “E” in your STEM Curriculum	2-8
HH 59	Joe Bauer	Grant Opportunities from the IDNR Division of Education	preK-8
HH 62	Tracy Trimpe	Science Spotlight: Online Resources for Learning	5-8
9:30-10:20 am		<u>Concurrent Session II</u>	
HH 1	Betsy Hommel	Children’s Literature in Science: New Releases	preK-8
HH 21	Jon Jones	Science Vocabulary: Not All Words are Created Equal	2-8
HH 27	John J. Zenchak, Chris Culen & Tracy Turucz	Use Discrepant Events to Engage Students and Sustain Their Interest	preK-5
HH 44	Lisa Maxwell & Carol Van De Walle	Creating Model Lunar Craters	5-8
HH 59	Lori Stenzel & Rachel Bretz	Bridging the Gap Between the Classroom and Everyday Life	5-8
HH 64	Pat Sullivan	Pond/Creek Critters – THE Most Engaging Study Unit I Have Ever Taught	2-8
HH 82	Stacy McQueen	Weather Wonders	preK-2
10:20-11:00 am		<u>Exhibits & Hospitality Northwest Hallway</u>	
11:00-11:50 am		<u>Concurrent Session III</u>	
HH 1	Betsy Hommel	Children’s Literature in Science: New Releases	preK-8
HH 3	Debbie Lee, Natalie Crose, Taylor Froeliger, Lindsay Garrett, Sarah Helderman & Sarah Beth Rexroat	Water, Water, Everywhere!	preK-2
HH 26	Dawn Weinberg & Margaret Harn	The Science of Agriculture	preK-8
HH 27	Barry Witten & Nathan Doyle	Map and Compass for Dummies	5-8
HH 43	VeAnn Tilson & Paula Young	Next Generation Middle School Science	5-8
HH 62	Tracy Trimpe & Cheryl McDaniel	Science Notebooks: Tools for Learning	5-8
HH 82	Scott Michael & Dena Hodge	Straw Rockets: Relating Force, Mass, and Acceleration	5-8
12:00-1:00 pm		<u>Mini Sessions</u>	Horrabin Hall Gymnasium
A	Don Powers	Simple Aerodynamics of the Paper Airplane	
B	VeAnn Tilson & Paula Young	Beyond the ooh’s and ah’s: Engagement—what comes next?”	
C	Abha Singh	Oreo Discourse!	
D	Lori Stenzel & Rachel Bretz	The Story of Drinking Water	
E	Frances Steward, Diana Goff, Rebecca Askew, Macey Beekman, Bryan Dickson, Amanda Friel, Katelyn Kott, Michelle Ricca, Dena Shaw, Kylee Staggs & Jess Vogen	Make Science & Literacy Connections: “Popcorn” Surprises	
F	Matt Simpson & Katie Frey	Hands-on Plate Tectonics	
G	Kevin Finson	Taking a Straw Poll on Levers	
H	Sebastian Szyjka	Make Your Own Pie Pan Speaker!	
I	Charles Williams	IPRB Free Education Programs	
J	Matt Hagaman	Make Science Review a JeoParty!	
K	Joe Bauer	IDNR Field Trip Pack	
L	Maranda Coomer, Dawn Gale, Rachel Hoffman, Anna Olson & LaVerne Logan	Literature Integration Through Science	
1:00-1:45	LUNCH		Horrabin Hall Gymnasium
1:45-2:30	WELCOME, RECOGNITION, AWARDS & DOOR PRIZES		Horrabin Hall Gymnasium

2012 PreK-8 Science Education Update Conference

Welcome to the 26th 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. The conference is scheduled to conclude by 2:30 pm.

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

HH 1 Children's Literature in Science: New Releases

Betsy Hommel

Western Illinois University, Macomb, IL

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 3 Butterfly Gardening

Julie Ann Bice

*West Prairie Middle School, Colchester, IL &
Monmouth College, Monmouth, IL*

Show your students that you believe the philosophy, "No Child Left Inside" and venture outside the classroom to teach them about raising Monarchs and the flowers they love to sip. Butterfly Gardening is an engaging way to teach Life Science with hands-on experiential learning. Learn techniques to raise and release Illinois's precious state symbol. Have fun and relax with a little song and dance with giant caterpillars and Monarchs themselves you might just get to go on a Migration Vacation! A little science mixed with art, music, drama, puppets ... and YOU!

HH 7 Amazing Animals

Lauren Moneysmith & Saundra Smith

Western Illinois University, Macomb, IL

An integrated unit all about animals is a great way to make connections across the curriculum in an early elementary classroom. This presentation details how an animal unit was actually put to use in two 2nd grade classrooms. You'll learn about fun activities, what worked well academically, and what the students really enjoyed. You'll also learn about all of the curriculum objectives that we used to create one cohesive, exciting, weeklong unit.

HH25 Touch Another World: Exploring Meteorites and Meteorwrongs

Brian Poelker

Eastern Illinois University, Charleston, IL

This workshop allows participants to discover the properties of stone and iron meteorites. We will use the information to differentiate meteorites from meteorwrongs. Specimens in display cases will show a variety of meteorite types and participants will be able to touch other worlds including the Moon and Mars.

HH 43 TeacherGeek: Put the "E" in your STEM Curriculum

Joe Simmons

Science Kit, Naperville, IL

Innovate, Analyze & Evaluate. Join us as we build and race rubber band racer models to apply the science concepts of potential and kinetic energy, forces, and speed. TeacherGeek enables students to learn through experiencing the entire learning cycle: understanding concepts, designing, engineering, and most importantly design improvement. Great door prizes from Science Kit!

HH 59 Grant Opportunities from the IDNR Division of Education

Joe Bauer

Illinois Department of Natural Resources, Springfield, IL

Become familiar with the "Illinois Biodiversity Field Trip Grant" and the "Schoolyard Habitat Action Grant" programs from the Illinois Department of Natural Resources and the Illinois Conservation Foundation. Learn tips for writing these grant applications as well as common pitfalls. See what other educators have done with their grant awards.

HH 62 Science Spotlight: Online Resources for Learning

Tracy Trimpe

Havana Junior High School, Havana, IL

Join me to explore an assortment of great online learning tools and games that will be sure to get your students attention! I will also be sharing my favorite tips and tricks for making the most of online learning experiences. Handouts and prizes will be provided!

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

HH 1 Children’s Literature in Science: New Releases

Betsy Hommel

Western Illinois University, Macomb, IL

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 Science Vocabulary: Not All Words Are Created Equal

Jon Jones

Western Illinois University, Macomb, IL

This session will describe three different types of vocabulary that students encounter when they read science books. The levels of difficulty that each types presents to the reader will be discussed. Examples of effective vocabulary instructional strategies will be shown and distributed in handouts.

HH 27 Use Discrepant Events to Engage Students and Sustain their Interest

John J. Zenchak,

North Central College, Naperville, IL

Chris Culen & Tracy Turucz

Brook Park Elementary School, LaGrange Park, IL

Experience how to increase student engagement by using discrepant events in a structured format. Students are active in the scientific process by identifying variables and constants, designing fair tests, and doing the experiments. Underlying science content is presented in a way that students see its relevance to their everyday lives.

HH 44 Creating Model Lunar Craters

Lisa Maxwell &

Eugene Field, Rock Island, IL

Carol Van De Walle

Western Illinois University QC, Moline, IL

You will create models of lunar craters and study the resulting depths, sizes, and shapes due to the different factors affecting the crater formation. We’ll discuss using models, data collection, process skills and more! Our students love this activity, we’ll share recent experiences and tips for success!

HH 59 Bridging the Gap Between the Classroom and Everyday Life!

Lori Stenzel & Rachel Bretz

Illinois American Water, East St. Louis, IL

Water is essential to all life and used everyday. Come and discover a variety of curriculum materials the Illinois American Water and American Water Works Association can provide for your classroom.

HH 64 Pond/Creek Critters – THE Most Engaging Study Unit I Have Ever Taught

Pat Sullivan

Peace of Earth Environmental Learning Center, Rushville, IL

The most engaging unit I’ve taught to students (or teachers!!) in 23 years. You’ll learn how to bring science to life for your students -- right before their eyes! We will collect real critters for a “pond” and make an “observation pond” from simple, everyday materials. Session includes collection techniques, identification, observation, and how to put together an unbeatable “water study trunk”.

HH 82 Weather Wonders*Stacy McQueen**Brick School, Beardstown, IL*

This session will include hands-on inquiry and thematic-based ideas to get your students excited about weather.

❖ ❖ ❖ **10:20 – 11:00 Break** ❖ ❖ ❖

Exhibits & Hospitality North Hallway

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

HH 1 Children’s Literature in Science: New Releases*Betsy Hommel**Western Illinois University, Macomb, IL*

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 Water, Water Everywhere!*Debbie Lee, Natalie Crose,**Western Illinois University QC, Moline, IL**Taylor Froeliger, Lindsay Garrett, Sarah Helderman & Sarah Beth Rexroat*

Young children are naturally attracted to water. Have you ever seen one bypass a puddle? Use this natural interest to stimulate scientific thinking. Come away with activity ideas that utilize water for PreK through 2nd grade students.

HH 26 The Science of Agriculture*Dawn Weinberg & Margaret Harn**Ag in the Classroom,
McDonough & Hancock Counties, IL*

Discover what’s new with the Ag in the Classroom program. Learn about the science of agriculture and leave with numerous ideas of how to begin integrating agriculture into your classroom on Monday morning.

HH 27 Map and Compass for Dummies*Barry Witten & Nathan Doyle**Western Illinois University, Macomb, IL*

This specially designed hands-on presentation will introduce participants to map and compass skills that can be implemented in upper elementary and middle level classrooms. Targeted skills will include learning the parts of a compass, how to take a bearing, measuring your pace, and completing a beginner’s compass course. In addition, participants will learn the fundamentals of reading a topographic map and how to orient their maps with a compass.

HH 43 Next Generation Middle School Science*VeAnn Tilson & Paula Young**Sangari Active Science, Union, MO*

What will a next generation middle school science lesson look like? How will our focus change? Teachers will take the role of a student in this next generation classroom, while the instructor models strategies promoted in the Science Framework for K-12 Education. This engaging lesson will utilize driving questions, inquiry-based activities, and scaffolding to support reading, writing, and vocabulary development. In addition the “students” will incorporate Scientific Principles into their “Claim” using “Evidence” from a laboratory activity to support their claim, while citing their “Reasoning” from multiple sources. The “student” will develop a model, and revise it as the lesson progresses. This is truly inquiry taken to the next level.

HH 62 Science Notebooks: Tools for Learning

Tracy Trimpe & Cheryl McDaniel

Havana Junior High School, Havana, IL

Wish your students would remember what they learned and connect it to other concepts or subjects? 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!

HH 82 Straw Rockets: Relating Force, Mass, and Acceleration

Scott Michael & Dena Hodge

Neponset Grade School, Neponset, IL

Straw rockets are constructed and launched by students, providing a hands-on approach to observing the relationship of the variables described in Newton's 2nd Law of Motion; $F=ma$. Students have the opportunity to manipulate force and mass in order to study their effects on acceleration.

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

A. Simple Aerodynamics of the Paper Airplane

Don Powers

Western Illinois University, Macomb, IL

Turn your students' desire to make paper airplane into a lesson incorporating science, technology, engineering and mathematics.

B. Beyond the ooh's and ah's: Engagement--what comes next?

VeAnn Tilson & Paula Young

Sangari Active Science, Union, MO

One of the seven scientific principles in the *Next Generation Science Standards* is "Engagement". Discover how to development engagement practices in your classroom.

C. Oreo Discourse!

Abha Singh

Western Illinois University, Macomb, IL

It is recommended by the National Science Teachers Association (2003) that science lessons are inquiry based. Inquiry activities can initiate student discussion, and questions that generate discourse. The discourse can be used to discover new content. This presentation will present an activity that poses a question about the Oreo cookie. It is meant to generate discussion, and discourse based on consumer claims.

D. The Story of Drinking Water

Lori Stenzel & Rachel Bretz

Illinois American Water, East St. Louis, IL

Learn more about *The Story of Drinking Water Teacher and Activity Guide*. Developed by the American Water Works Association this curriculum guide contains 11 lessons and 33 activities covering all water topics.

E. Make Science & Literacy Connections: "Popcorn" Surprises

Frances Stewart, Diana Goff, Rebecca Askew,

Western Illinois University, Macomb, IL

Macey Beekman, Bryan Dickson, Amanda Friel,

Katelyn Kott, Michelle Ricca, Dena Shaw, Kylee Staggs & Jess Vogen

Participants will make cross-curricular connections with popcorn growth, popping, and enjoying in fiction and nonfiction books through hands-on activities. Participants will enjoy team and individual activities sharing observational data and results. (Science Goal 11.A.2b; 11.A.2d; 11.A.2e) Come join us for an exciting time in the delicious popcorn activities.

- F. Hands-on Plate Tectonics**
Katie Frey & Matt Simpson *Knoxville Junior High, Knoxville, IL*
 Pick up a packet full of plate tectonics activities you can use in your classroom tomorrow! Build your own tower and test your engineering skills on our homemade earthquake table. Earthquake table blueprints will be available.
- G. Taking a Straw Poll on Levers**
Kevin Finson *Bradley University, Peoria, IL*
 Find out what you can learn about the three classes of lever that you construct using straws and paperclips.
- H. Make Your Own Pie Pan Speaker**
Sebastian Szyjka *Western Illinois University, Macomb, IL*
 Turn electrical energy into sound energy as you construct a pie pan speaker out of easy to get Radio Shack materials. You'll be amazed at how this session sounds!
- I. IPRB Free Education Programs**
Charles Williams *Illinois Petroleum Resource Board, Mt. Vernon, IL*
 Learn about the many free education programs sponsored by the Illinois Petroleum Resource Board to increase awareness about the Illinois crude oil and natural gas industry.
- J. Make Science Review a JeoParty!**
Matt Hagaman *Dallas City Elementary School, Dallas City, IL*
 Turning review time into game time always engages students, and the competitive format of Jeopardy is always a class favorite. JeoParty is a completely free presentation program for Windows. In addition to displaying prompts in the Jeopardy format, JeoParty tracks teams scores and offers many other advanced features.
- K. IDNR Field Trip Pack**
Joe Bauer *Education Division, Illinois Department of Natural Resources*
 Preview the new *Field Trip Packs* from the Illinois Department of Natural Resources. Targeted to early childhood educators (grades prekindergarten through three), the packs are full of hands-on resources to encourage nature exploration.
- L. Literature Integration Through Science**
Maranda Coomer, Dawn Gale, *Western Illinois University QC, Moline, IL*
Rachel Hoffman, Anna Olson & LaVerne Logan
 The focus of this session is how to effectively integrate literature into the science curriculum. The activities are grouped into lower and upper elementary grades. Corresponding Common Core Literacy Standards and Science Illinois Learning Standards will be provided.

❖ ❖ ❖ **1:00-1:45 Lunch** ❖ ❖ ❖
Horrabin Hall Gymnasium

❖ ❖ ❖ **1:45-2:30 Awards, Recognition & Door Prizes** ❖ ❖ ❖
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.

❖ 2012 PreK-8 Science Education Update Conference Presenter Biographies ❖

Rebecca Askew is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement.

Macey Beekman is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. Macey's hometown is Lewistown, Illinois.

Julie Ann Bice has taught children the joys of nature for many years and developed and designed butterfly gardens that attract two-legged creatures as well ("kids from 1-99"). 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 has earned the nickname "Digger", "The Butterfly Lady" and "Madame Butterfly" honestly because she would rather be OUTSIDE than INSIDE.... with a group of kids and teachers tagging along. Julie is the very proud recipient of the Maurice Kellogg 2011 Award for Excellence in Science Teaching.

Joe Bauer – Joe is an Education Specialist for the IDNR Division of Education. He is a certified meteorologist and teaches community college classes.

Rachel Bretz is a water quality specialist for Illinois American Water in East St. Louis, IL. She has shared AWWA's curriculum materials at ISTA Conferences in Tinley Park and Carbondale.

Maranda Coomer is an undergraduate at Western Illinois University Quad Cities campus majoring in Elementary Education. Prior to coming to Western Illinois, Maranda worked as a paraprofessional in an elementary and middle school.

Natalie Crose is an undergraduate student at the Western Illinois University Quad Cities campus. She is studying early childhood education.

Chris Culen, 1st grade teacher at Brook Park Elementary School in LaGrange Park, uses Dr. Zenchak's instructional methodology in her classroom. She implemented a summer program for K-3 students based on the methodology, and presented on it at a district-wide inservice day. She has presented at national, regional, and state science conferences.

Bryan Dickson is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. Bryan, who is from Amboy, Illinois graduated from WIU in 2009 with a degree in Broadcasting and is now working on a second degree in Elementary Education.

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 five-year old son.

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.

Katie Frey is a 5th grade science teacher at Knoxville Junior High. She received her bachelors degree at Monmouth College and is currently finishing her masters at WIU. Katie was part of the Monmouth NIMS cohort during the Summer of 2011.

Amanda Friel is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. Amanda is from Yorkville, Illinois and would eventually like to teach 2nd to 4th grade.

Taylor Froeliger is an undergraduate student at the Western Illinois University Quad Cities campus. She is studying early childhood education.

Dawn Gale is an undergraduate at Western Illinois University Quad Cities campus, who is currently block teaching in a kindergarten classroom. Dawn has worked to support area students through volunteering and serving on several community boards and associations.

Lindsay Garrett is an undergraduate student at the Western Illinois University Quad Cities campus. She is studying early childhood education.

Diana Goff, is retired 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.

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. 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. She recently retired after teaching 1st grade at Industry Elementary School for 34 years.

Sarah Helderman is an undergraduate student at the Western Illinois University Quad Cities campus. She is studying early childhood education.

Dena Hodge, a Bradley University graduate with a degree in Elementary Education, was the director of the Neponset Preschool Program and currently teaches 4th and 5th grade at Neponset.

Rachel Hoffman is an undergraduate student at Western Illinois University Quad Cities campus majoring in Elementary Education with endorsements in Math, Science, Language Arts, Social Studies and Middle School. Rachel has worked with all levels of students through her participation in different summer programs.

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 and Director of the Reading Center in the Department of Curriculum and Instruction at WIU. He has had over ten years experience as a public school classroom teacher. He teaches graduate and undergraduate courses in reading education at Western.

Debbie Lee is an early childhood education instructor at the Western Illinois University Quad Cities campus. She has taught young children for 30 years and loves incorporating science into the curriculum.

LaVerne Logan earned his PhD. from the University of Iowa. He is a professor and in his 12th year teaching undergraduate and graduate science 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.

Katelyn Kott is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. Katelyn is from Sandwich, Illinois and is a Resident Assistant in Thompson Hall at WIU.

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.

Cheryl McDaniel is a 5th grade science and mathematics instructor at Havana Junior High School in Havana, IL. She is co-sponsor of the Science Club and sponsor of the "Roboducks" robotics program.

Stacy McQueen is currently a first grade teacher at Brick School in Beardstown. She is in her 26th year of teaching and holds degrees in both regular elementary and special education.

Scott Michael is a Science Education graduate from ISU. He has taught high school science and currently teaches 6-8 Science and Math at Neponset.

Lauen Moneysmith is a WIU Elementary Education major from Poplar Grove, Illinois. Some of her hobbies include reading, dancing, and singing but her favorite non-academic activity is archery.

Anna Olson is an undergraduate at Western Illinois University Quad Cities campus, who is currently in her last semester in the elementary education program before student teaching. Anna has worked with elementary, middle and high school students through tutoring, coaching, childcare, and after-school programs.

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.

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 23rd 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.

Sarah Beth Rexroat is an undergraduate student at the Western Illinois University Quad Cities campus. She is studying early childhood education.

Michelle Ricca is a student at Western Illinois University currently enrolled in RDG 433: Introduction to Corrective Reading.

Dena Shaw is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. Dena and her family live in Cuba, Illinois.

Joe Simmons is the new K-12 Regional Account Manager for Sargent Welch/Cenco, Science Kit and Ward's Scientific. Joe has taught science in the Chicago Public Schools and is also the Co-Director of the Illinois Science Olympiad.

Matt Simpson is an 8th grade teacher at Knoxville Junior High and participant in the 2011 Monmouth NIMS cohort. Matt received his bachelors degree from Monmouth College.

Abha Singh is completing her fourth 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.

Saundra Smith is a WIU Elementary Education student. She thinks science is truly fascinating and feels teachers are the foundation to students' future.

Kylee Staggs is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. She loves sports and is from Farmington, Illinois.

Lori Stenzel is a water quality specialist for Illinois American Water in East St. Louis, IL. She has shared AWWA's curriculum materials at ISTA Conferences in Tinley Park and Carbondale.

Frances Steward, Literacy Professor, enjoys integrating cross-curricular activities with science, fine arts and literacy. She publishes and presents at international, national, state and local events. Presenting with colleagues and students are most enjoyable for all.

Pat Sullivan- Pat has 23 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 10 years on the Board for the LaMoine River Ecosystem Partnership. Pat is the owner, director, and lead teacher at Peace of Earth Environmental Learning Center. She has a M.S. in Outdoor Education and is a Project WILD Facilitator.

Sebastian Szyjka is completing his second 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.

VeAnn Tilson is a representative for Sangai Active Science, a part of Sangari Global Education.

Tracy Trimpe is an 8th 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, 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.

Tracy Turucz, 2nd grade teacher at Brook Park Elementary School in LaGrange Park, uses Dr. Zenchak's instructional methodology in her classroom. She has developed and implemented a summer school program for K-3 students based on the methodology, as well as presented on it at a district-wide inservice day.

Jess Vogen is a junior at Western Illinois University currently enrolled in C&I 476: Parent and Community Involvement. Jess is from Morris, 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, 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 15 years.

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.

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.

Paula Young is a Science Coach for Sangari Active Science.

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.

2012 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-Sixth 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 Associate of Aggregate Producers
1115 S. 2nd St., Springfield, IL 62704

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
1242 Main St., Springfield, MA 01103

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

Sangari Active Science
404 River Ridge Drive, Union, MO 63084

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

Science Kit
1221 Suffolk St., Naperville, IL 60563

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

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