



NWIESC PROFESSIONAL DEVELOPMENT OPPORTUNITIES

NORTHWEST INDIANA EDUCATION SERVICE CENTER, 2939 41st Street, Highland, IN 46322
Phone: (219) 922-0900 Fax: (219) 922-1246
Register online at www.nwiesc.k12.in.us
Enter through door "H" (we are located in Highland Middle School)

NWIESC: Boone Township, Crown Point, Duneland, East Chicago, East Porter County, Griffith, Hammond, Hanover, Highland, Hobart, Kankakee Valley, Lake Central, Lake Ridge, Lake Station, Merrillville, Munster, North Newton, Northwest Indiana Special Education Cooperative, Portage Township, Porter Township, River Forest, Tri-Creek, Union Township, Whiting; *Private Schools:* Bishop Noll Institute, Marquette High School, St. John the Baptist, St. Joseph Dyer, St. Michael Schererville, and St. Stanislaus. *Charter Schools:* 21st Century Charter School of Gary, Aspire Charter Academy of Gary, Avicenna Academy, Campagna Academy, Charter School of the Dunes, East Chicago Lighthouse Charter, East Chicago Urban Enterprise Academy, Gary Lighthouse Charter, KIPP Lead College Prep, and West Gary Lighthouse Charter. *Associate Members:* Indiana University Northwest, Ivy Tech of Northwest Indiana, Lake County Public Library, Purdue University Calumet, and University of Phoenix – Northwest Indiana campus.

UPCOMING EVENTS

REGISTRATION IS AVAILABLE AT: [HTTP://WWW.NWIESC.K12.IN.US](http://www.nwiesc.k12.in.us)

End of Course Assessment for Algebra I: Are your Students Ready for the CORE 40 Algebra End-of-Year Course Assessment?

Workshop participants will learn how to best prepare their Algebra I students for the end-of-course assessment. (CORE 40 Algebra Assessment) Historically, only 25% of our Indiana Algebra I students have successfully passed the exam. The graduating class of 2012 (current freshmen) will have to pass the Algebra I Core 40 assessment to meet graduation status. Presenter: Dr. Bob Trammel. Audience: Middle school/junior high/senior high school teachers and administrators. September 28, 2009 (registration deadline is September 18, 2009). Location: NWIESC. 9AM-3PM (registration begins at 8:30AM). FEE: \$100 – NWIESC Members, \$175 – Non-Members (fee includes meals and materials). 3 CRUs or 6PGPs will be provided.

Problem Solving Strategies in Mathematics: K-6

Workshop participants will learn how to implement a multitude of problem solving strategies with students at grades K-6. Workshop participants will actively engage in professional dialogue focused upon these concepts: recognizing the different types of problem solving activities, learning the 9 best instructional strategies researched by Dr. Robert Marzano, use the Annenberg Foundation brochure that describes the attributes of a high function math classroom, connecting mathematics to other content areas using problem solving, learning how ISTEP+ tackles problem solving across grades 3-10, and participants will be share one of their best problem solving activities with the workshop audience. Note: Participants are encouraged to bring one of their favorite problem solving activities to the workshop. These problem solving activities will be shared and distributed with the entire workshop audience. September 29, 2009 (registration deadline is September 18, 2009). Location: NWIESC. 9AM-3PM (registration begins at 8:30AM). FEE: \$100 – NWIESC Members, \$175 – Non-Members (fee includes meals and materials). 3 CRUs or 6PGPs will be provided.

SMARTBoards in the K-12 Curriculum

This workshop will focus on the use of interactive whiteboard technology in the classroom, including both the technical operations of interactive whiteboards and how these amazing innovations can bring lessons of all kinds to life. During the session, each participant will be encouraged to research and collaborate with each other to develop curriculum they can immediately take back to their classrooms and use. Participants will also be able to take everything they have learned during the workshop and apply those concepts and skills to any interactive whiteboard or interactive panel device, including SMARTBoard, Promethean, STARBoard, and so on, and the workshop is suitable for all levels of K-12 educator. Opportunities for graduate credit from Purdue University Calumet are available. Breakfast will be served. Lunch is on your own. October 8, 2009 (registration deadline: September 22, 2009); 9AM-3PM (doors open at 8:45AM). \$100 – NWIESC Members; \$150 – Non-NWIESC Members.

Digital Planetarium Training

The NWIESC is excited to provide a Digital Planetarium available for NWIESC member use. Teachers and instructors can set up the projector and an inflatable dome for an instant planetarium. The projector offers advanced features to excite and

Registration is available at:
<http://www.nwiesc.k12.in.us>

engage students. Zoom in on and label any object; demonstrate annual motion, display constellations; project your own content; and much more. The projector's vast capabilities makes it relevant for audiences of all ages. **Mr. David Sell**, a Science teacher with the Decatur County Schools, will be sharing his knowledge of the Digitarium Alpha planetarium projector and Digitalis inflatable dome. **Training is mandatory for any teacher who wishes to use the digital planetarium.**

October 16, 2009; Choice of two sessions: 9:00AM-11:30AM or 1:00PM-3:30PM

FREE! Open only to NWIESC Members

Thinkfinity Technology Tools for Learning

Learn to use the free instructional technology tools available on Thinkfinity.org. The **free** site makes it easy for educators to enhance their classroom instruction with lesson plans, interactive activities and other online resources. Thinkfinity.org also provides a wealth of educational and literacy resources for students, parents and after-school programs. All of Thinkfinity.org's 55,000 standards-based K-12 lesson plans, student materials, interactive tools and reference materials are reviewed by the nation's leading education organizations to ensure that content is accurate, up-to-date, unbiased and appropriate for students. Presenter: Helen Siukola-Jancich. Date: November 6, 2009 (deadline to register: October 22, 2009). Location: NWIESC. \$100- NWIESC Members; \$175 – Non-Members. 8:30AM-3:00PM (registration begins at 8:00AM)

Hands-On Equations (Grades 3-12): Making Algebra Child's Play

This one-day workshop empowers teachers to understand and use the visual, kinesthetic, and pictorial Hands-On Equations[®] teaching methodology to successfully present essential algebraic concepts to students. By "breaking the code" of algebra, Hands-On Equations[®] empowers students to work with sophisticated-looking algebraic concepts, thereby enhancing their self-esteem and interest in mathematics. Audience (3-12): Elementary, Middle School & High School Teachers, Paraprofessionals, Curriculum Coordinators, Special Education Teachers, Pre-Algebra Teachers, General Math Teachers, Principals, and other interested educators. *Participants will receive a \$50 gift certificate towards a classroom set of Hands-On Equations[®] materials (expires 6 months from date of workshop).* Presenter: **Dr. Rima Binder** from Long Beach, Indiana.

November 17, 2009 (registration deadline: October 28, 2009); 8:00AM-3:00PM (registration/doors open at 7:30AM);

Location: NWIESC, Highland; 3 CRUs or 8 PGPs will be provided.

\$125 - NWIESC Members, \$175 – Non-NWIESC Members. *Fee includes meals and materials*)

Hands-On Equation (Grades 6-8): Verbal Problems Workshop

Demystify the teaching of word problems! Learn how to transform verbal problems into a physical or pictorial representation that your students can understand. This workshop is designed for middle school teachers and elementary teachers of gifted students. High School teachers will also find these ideas helpful with students struggling with algebra. Note: Previous experience with Hands-On Equations is strongly recommended. Middle School & High School Teachers, Paraprofessionals, Curriculum Coordinators, Special Education Teachers, Pre-Algebra Teachers, General Math Teachers, Principals, Elementary High Abilities/GT Teachers, and other interested educators. *Participants will receive a \$50 gift certificate towards a classroom set of Hands-On Equations[®] materials (expires 6 months from date of workshop).* Presenter: **Dr. Rima Binder** from Long Beach, Indiana. November 18, 2009 (registration deadline: October 28, 2009); 8:00AM-3:00PM (registration/doors open at 7:30AM); Location: NWIESC, Highland; 3 CRUs or 8 PGPs will be provided.

\$125 - NWIESC Members, \$175 – Non-NWIESC Members. *Fee includes meals and materials*)

Textbook Caravan: Math, K-12

The 2010 Textbook Caravan is scheduled for January 28, 2010 at The Center at Purdue University Calumet. Doors open at 7:30AM, Exhibits are scheduled to run from 8:00AM-3:00PM with presentations beginning at 8:30AM. Registration is strongly recommended in advance; please register by January 10, 2010 so that vendors can be notified of the number of materials to bring for distribution. For questions regarding Textbook Adoption, please contact Donna Smith at the Indiana Department of Education, (317) 232-9190.

Sign up to receive the Indiana ASCD newsletter electronically at: <http://inascd.org/index.asp>

Registration is available at:
<http://www.nwiesc.k12.in.us>