

Gregory O. Gierhart, MA

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Murray, KY 42071

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EDUCATION:

Southern Illinois University-Carbondale

Carbondale, Illinois

Making Progress to a terminal degree in the Curriculum and Instruction Doctoral Program in Mathematics Education and Science Education.

Anticipated Degree Completion: Summer 2015

Murray State University Murray, Kentucky

Degree: Rank I

Level I and II of Principalship Completed May 2008

Murray State University Murray, Kentucky

Degree: Master's Degree May 2001

Area: Middle School Education

Murray State University Murray, Kentucky

Degree: Bachelor of Arts May 1995

Area: Middle School Education

Areas of Emphasis: Spanish, Mathematics, Science

CERTIFICATION:

Kentucky Provisional Certificate

Grades 5-8

Endorsement: Grades K-4

Teaching Fields: Math, Science, and Spanish

CAREER-RELATED

EXPERIENCE

Summer 2001-present **Software Technology, Inc.** Mobile, Alabama

Contract Employee

-Train school district personnel on how to use student management software called STI-Office, STI-Gradebook, STI-SETS, STI-Bookeeper, and STI-District

Summer 2001 **Western Kentucky Educational Cooperative** Murray, Kentucky

Professional Development presenter

-Train teachers on uses of technology

-Train teachers on how to implement technology into classrooms

-Math and Science leadership network

Summer 2001-2013 **Center for Environmental Education** Murray, Kentucky
Assisted Dr. Joe Baust and Dr. Terry Wilson
-Assisted the planning of the week long activities for the Watershed Project
-Presented a session on technology integration for the participants

TEACHING-RELATED EXPERIENCE:

Fall 2003-Present **Murray State University** Murray, Kentucky
Lecturer in the Department of Early Childhood and Elementary Education
-responsible for teaching the mathematics methods curriculum in MID 371, ELE 304, ELE 308, and EDU/ELE 400
-responsible for teaching sections of the course Strategies of Teaching for EDU 303
-assisted with various programs (TQI, Center for Environmental Education, KATE, CTLT)
-Lead instructor or past lead instructor of EDU 303, ELE 304, ELE 308, EDU 400, and MID 371
-taught sections of EDU 405
-College Head of Hart College

Fall 2001-2003 **Murray Independent School District** Murray, Kentucky
Teacher at Murray Middle School (Seventh Grade)
-Seventh Grade Mathematics
-Plan and teach Algebra, Math 7th grade and Exploratory classes
-School Technology Coordinator
-District Technician of Technology
-Budget Chairman for Murray Middle School
-Grant writer
-Trained new faculty members on integration of technology

Fall 2000-2001 **Murray Independent School District** Murray, Kentucky
Dean of Students at Murray Middle School (Grades 4-8)
-Assisted principal of the school with the daily operations of the school
-Planned communications and special programs for the school
-School Technology Coordinator
-District Technician of Technology
-Budget Chairman for Murray Middle School
-Trained staff personnel (monitors, aides, secretaries, bookkeepers)
-Trained new faculty members on integration of technology

Fall 1995-2001

Murray Independent School District Murray, Kentucky

Teacher at Murray Middle School (Seventh Grade)

- Taught Seventh Grade Mathematics
- School Technology Coordinator
- District Technician of Technology
- Budget Chairman for Murray Middle School
- Trained new faculty members on integration of technology

**HONORS AND
ACTIVITIES:**

Max Carman Award
Faculty Award from Athletics
Sigma Phi Epsilon Balanced Faculty Award
Who's Who Among America's Teachers
Murray High Football Team statistician
Murray High Baseball Team statistician
Murray High Basketball Team statistician
Murray High Soccer Team statistician
Murray High Softball Team statistician
Murray Independent School District homebound teacher
Sponsor of delegation to Kentucky Youth Assembly (Y-Club)
Sponsor of students: Kentucky United Nations Assembly (Y-Club)
Meritorious Award for Excellence Awarded by Mr. W.A. Franklin
Mathematics Excellence Teaching Award (Kentucky Teachers of Mathematics)
Parent Involvement Award in Early Childhood KAEYCE
Mentioned in 2009 MSU Points of Pride Publication
Received grant for DyKnow
Received grant for Math out of the Bag
Received grant for Math on the Road
Honor for The President's Higher Education Community Service for Math out of the Bag

MEMBERSHIP:

Treasurer of Murray Area Council of the Kentucky Reading Association
Member of Murray Lions Club
Member of National Council of Teachers of Mathematics
Member of National Association for the Education of the Young Child
Member of International Reading Association
Member of National Council of Supervisors of Mathematics
Member of National Science Teachers Association
Member of Association for Supervision and Development

References

Dr. Bonnie Higginson
Murray State University
(270) 809-2540

Dr. Jo Robertson
Murray State University
Chair, Department of Early Childhood and Elementary Education
(270) 809-6845

Dr. Nancy Lovett
Calloway County
Regional Training Center
(270) 809-5316

(more references available upon request)

Gregory O. Gierhart

Programs initiated at Murray Independent School District

1995-2003

- Purchased a mathematics curriculum called *Visual Mathematics* and trained teachers on how to use the program.
- Grant recipient for Kentucky Environmental Education Council. Grant money used to build an outdoor classroom at the high school.
- Grant recipient for the purchase of graphing calculators for the classroom.
- Recipient of numerous Murray Independent Foundation for Excellence mini-grants.
 - Some examples used for the mini-grants: Spanish curriculum, technology, library books, STAR Math and STAR Reading
- Assisted in the Goals 2000 grant and implementation
- Grant recipient for Kentucky Department Education for Welcoming Schools.

Technology initiated Programs at Murray Independent School District

1995-2003

- Assisted the technology team to "wire" the campus for the information superhighway.
- Assisted the technology team to reach a goal for our computer to student ratio to be 1:3
- Integrated technology into the curriculum (i.e. digital cameras, video cameras, etc.)
- Implemented and trained personnel on the Student Schedule Tracking System (STI). This software became a statewide mandate implementation.
- Instituted our annual Teacher Technology Academy for the district.

Committees served on the state and local level

1995-2003

- Textbook Adoption
- Kentucky Environmental Education Council
- Student Technology Leadership Program Advisory Council
- Peer SACS review with Lone Oak Middle School (May 2002)
- Technology Implementation Review
- Murray State University Undergraduate Studies Committee

Special Training Received

1995-2003

- Certified Challenge Course Facilitator
- Peer Mediation Trainer
- Software Technology Contract Employee
- Writing Open Response Questions
- Answering Open Response Questions
- Conflict Resolution
- Visual Mathematics* curriculum
- Paedia method in questioning
- Instructional Strategies that work
- Motivational Strategies that work
- Numerous technology integration workshops
- Appalachian Educational Laboratory

Murray State University Involvement in Various Programs

College of Education

2003-present

- Faculty Development grant funded to purchase math manipulatives
- Faculty Mentor for the infusion of Technology
- Student Technology Leadership Program sponsor
- Math PLUS club sponsor
- COE-Mini-grant funded for ACT Now (tutoring to raise the ACT score)
- COE-Mini-grant funded for STI-SETS
- IAF committee
- Part of U of L study to determine the preparedness of Middle School Mathematics majors
- CTLT symposium on technology infusion
- Data desegregation for Murray Independent, Calloway County and Paducah Tilghman
- PAWP technology advisor to plan related workshops for area teachers
- Collaborate with Collaborative Center for Literacy Development to include mathematics (bill sponsored by Senator Dan Kelly)
- Collaborate to design and implement the Region 1 STLP Showcase
- Presented at KACTE, FATE and SRATE
- Presented at Kentucky Middle School Association
- ROADS scholars team at Henry County High School (captain) and Reidland High School
- Accepted to present at the NCTM Regional Conference
- Accepted to present at the ICTM Regional Conference
- Recognized in Roundtable a publication of the Center for Teaching Learning, and Technology
- Assisted with Summer Orientation and Fall Senior Days
- Member of NCTM
- Presented at Southeast Regional IRA
- Judge at the Region 1 FBLA Leadership conference
- Served on the search committee for Coordinator of Field Programs
- Published in Contemporary Issues in Technology and Teacher Education
- Accepted for publication in the *Teaching Mathematics in the Middle Grades*, a journal published by the National Council of Teacher's of Mathematics
- Served on the Parent Advisory Committee at the Child Care Center at Murray-Callaway County Hospital
- College of Education mini-grant funded to implement STARMath diagnostic for elementary/middle school majors.
- announcer at the Area 1 Special Olympics Track and Field Competition
- member of Murray Lions Club
- training on how to implement use of TabletPC in the classroom
- Member of National Association for the Education of Young Children
- serve on ad-hoc committee of CAC called College of Education Committee on Academic Advising
- serve on Technology Oversight Committee for Department of Early Childhood and Elementary Education
- serve on Policy and Review committee for College of Education representing the Department of Early Childhood and Elementary Education

- serve on NCATE committee for College of Education
- Lead Instructor for EDU 303:Strategies of Teaching and ELE 400:Teaching Elementary Mathematics (P-5)
- serve on College of Education Masters Reorganization committee
- member of Phi Kappa Phi
- judge of the Region I STLP Showcase
- attended the Dean's Multicultural Global Luncheon meetings

Service 2015

Department of Early Childhood and Elementary Education:

Taught overload Spring 2015 ELE 308-02 in Madisonville, KY

Lead Teacher of EDU 303 Strategies of Teaching

Lead Teacher of ELE 400: Strategies and Assessment in Elementary Mathematics

Lead Teacher of ELE 308: Early Childhood Math and Science

2015 Interdisciplinary Early Childhood Education Advisory Committee member

Second Reader for Chelsea Parker, student teacher

Second Reader for Ashley Robinson, student teacher

Second Reader for Jacquelyn Thate, student teacher

Department of Adolescent, Career and Special Education:

Taught overload of MID 342-02, 03, 04

Murray State University:

Mr. Garris Stroud Honor Thesis committee

Committee Members of the Ralph H. Woods Memorial Award

Mr. MSU 2015 Preliminary Interview Judge

Faculty Advisor for Shayna Peters BIS 437 project "Environmental and Wildlife Management, and the Importance of Conservation Education: An awareness of environmental and wildlife problems and how to inspire today's youth to be practice in the outdoors."

Faculty Advisor for Rachel Proctor BIS 437 project "High Stakes Accountability Testing"

Take Back the Night Program speaker

Community:

STEM Family Night at East Elementary School

2014 Honor Roll Community Partner Award for Math Out of a Bag Grant

WKEC Mathematics and Science Partnership Grant Project 2015

Professional Development at Marshall County High School Improving Learning in Literacy"

Profession:

Reviewer for the journals of the National Council of Teachers of Mathematics

Member of Phi Delta Kappa

Member of Phi Kappa Phi

Member of National Association for the Education of Young Children

Member of National Council of Teachers of Mathematics

Member of National Science Teachers Member of

International Reading Association

Member of Association for Supervision and Curriculum Development

Treasurer of Murray Area Council of the International Reading Association

Service 2014

Department of Early Childhood and Elementary Education:

Lead instructor and adjunct instructor trainer for EDU 303: Strategies of Teaching
Lead instructor and adjunct instructor trainer for ELE400: Assessment and Strategies of Elementary Mathematics
Lead instructor for ELE 308: Teaching Math and Science in Early Childhood
Attended Summer O sessions
Attended Racer Days
Scored student teacher's eligibility portfolios
Serve on Interdisciplinary Early childhood Education Advisory committee
Served on the committee to create EDU 222 Instructional Technology Course
Served on the Elementary Professional Learning Committee
Served on The Professional Development Schools committee
Served as a faculty mentor for BIS projects

College of Education:

Attended Autumn Horizons Fall training
Presented on Workshops for the Alternative Education students

Murray State University:

Served on committee to interview candidates for MSU Homecoming Court on behalf of Student Government Association
Served as Faculty advisor to the MSU Baseball Club
Served as Faculty advisor to the Student Government Association Judicial Board
Served on the Student Affairs 2022/Mission 100 Committee
Served on committee to interview candidates to be selected for Mr. and Mrs. Greek at Murray State University
Member of Hart College and White College
College Head of Hart College
Served on committee to interview candidates to be selected for Miss MSU
Served on committee to evaluate CANVAS
Served on planning committee of the College and Career Readiness Summit
Serve on International Buddy (Mentoring) Program Committee

Community:

Member of the Murray Lions Club
Served on Community Education Advisory council
Serve on Textbook Adoption Committee for Murray Elementary School
Assisted Murray High School athletic teams in statistics for the football, soccer, baseball, and basketball programs
Attended KEA training on TPGES

Attended and helped with Operation Preparation

Profession:

Reviewer for the journals of the National Council of Teachers of Mathematics
Member of Phi Delta Kappa

Member of Phi Kappa Phi

Member of National Association for the Education of Young Children

Member of National Council of Teachers of
Mathematics

Member of National Science Teachers Member of
International Reading Association

Member of Association for Supervision and Curriculum Development

Treasurer of Murray Area Council of the International Reading Association

Presentations -2015-

Gierhart, G. (Presenter). (2015, August 4). *Attacking Vocabulary: Teaching to Improved Reading and Writing Skills*. Marshall County High School: Benton, Ky.

Gierhart, G. (Presenter). (2015, August 04). *Bringing Vocabulary Alive*. PALA: Murray, KY.

Gierhart, G. (Presenter) (2015, November 8). *Math and the Brigance*. Council on Early Childhood: Hopkinsville, KY.

Gierhart, G. (Presenter) (2015, November 15). *Engaging Active Minds: Supporting Cognitive Learning*. Council on Early Childhood: Eddyville, KY.

Gierhart, G. (Presenter) (2015, July 13). *NGSS*. Early Learning Village East: Frankfort, KY

Gierhart, G. (Presenter) 2015, July 7). *What's STEM Got To Do With It? Audubon Area Training: Hopkinsville, Ky*

Gierhart, G. (Presenter) (2015, July 7). *Math Games Galre in Preschool*. Audubon Area Training: Hopkinsville, Ky

Gierhart, G. (Presenter) (2015, April 18). *The Language of Science*. WKAECE: Paducah, KY

-2014-

Gierhart, G. (2014). *Engaging active minds: Supporting cognitive learning*. Hopkins County Early Childhood Council. Madisonville, KY.

Gierhart, G. (2014). *Engaging active minds: Supporting cognitive learning*. Christian County Early Childhood Council, Hopkinsville, KY,

Gierhart, G (2014). *Engaging active minds: Supporting cognitive learning*. Lyon County Early Childhood Council. Eddyville, KY.

Gierhart, G. and Musselman, M. (2014). *Formative assessment lessons*. Southern Illinois Conference of Teachers of Mathematics. Carbondale, IL.

Gierhart, G. (2014). *Building academic vocabulary in mathematics*. Southern Illinois conference of Teachers of Mathematics. Carbondale, IL.

Gierhart, G. (2014). *These standards are greek to me*. College and Career Readiness Summit. Murray State University. Murray, KY.

Gierhart, G. (2014). *The power of vocabulary in math content*. College and Career Readiness Summit. Murray State University. Murray, KY.

Gierhart, G. (2014) *What strategies seem to work for students who struggle in math?* College and Career Readiness Summit. Murray State University. Murray, KY.

Gierhart, G. (2014). *Questions, questions, questions lead to higher order thinking*. Conference on Exceptional Children. Louisville, KY.

Lovett, N. and Gierhart, G. (2014). *Connecting math and literacy*. Conference on Exceptional Children. Louisville, KY.

Gierhart, G. (2014). *Growing up wild*. 2014 WKAECE Spring Institute: Paducah, KY.

Gierhart, G. (2014). Growing up wild. Summer Institute. Audubon Area Head Start and Calloway County RTC. Hopkinsville, KY.

Gierhart, G. (2014). Math and literacy. Summer Institute. Audubon Area Head Start and Calloway County RTC. Hopkinsville, KY.

Gierhart, G. (2014). Science and literacy. Summer Institute. Audubon Area Head Start and Calloway County RTC. Hopkinsville, KY.

Presentations -2013-

- Gierhart, G. (2013). Ideas for Guided math in your classroom. Kentucky Learning Network Summer Conference. Murray, KY.
- Gierhart, G. (2013). Vocabulary Strategies for ALL. Kentucky Learning Network Summer Conference, Murray, KY.
- Gierhart, G. and Wood, B. (2013). Guided math at Murray Elementary School. Summer Training, Murray, KY.
- Gierhart, G. and Wood, B. (2013). Constructed Response Training. Summer Training, Murray, KY.
- Gierhart, G. and Wood, B. (2013). Vocabulary Strategies for ALL students. Summer Training, Murray, KY.
- Gierhart, G. (2013). Strategies for writing in all classrooms. Summer PAWP academy. Murray, KY.
- Gierhart, G. and Bell, J. (2013). Summer Tech Academy. KWP Tech Institute June 26-28. Murray, KY
- Gierhart, G. (2013). Science experience through literacy for infant/toddler teachers. Summer Institute. Hopkinsville, KY.
- Gierhart, G. (2013). Teaching math vocabulary through literacy. Summer Institute. Hopkinsville, KY
- Gierhart, G. and Lovett, N. (2013). Integrating science and literacy. Calloway County RTC Spring Institute. Hopkinsville, KY.
- Gierhart, G. (2013). Play is the way for science. WKAECE Spring Institute. Paducah, KY.
- Gierhart, G. (2013). Differentiation Instruction and cooperative learning. CEC Louisville, KY.
- Gierhart, G. (2013). Growing up wild. CEC Louisville, KY.
- Gierhart, G. (2013). Project wild. CEC Louisville, KY.
- Gierhart, G. (2013). Mathematics in early childhood.
- Gierhart, G. and Shatzer, J. (2013). The power of content vocabulary: What preservice teachers

need to know. IRA 58th annual conference. San Antonio, TX.

Presentations -2012-

- Gierhart, G. (Presenter), Knapp, C. (Presenter), 12 Gadgets of Christmas, "LiveBinders," CTLT, Murray State University. (December 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Murray HeadStart, "Higher Order Questioning," Calloway County RTC, Paducah, KY. (October 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Murray Elementary School, "Elementary Mathematics Standards," Murray Elementary School, Murray, KY. (August 2012). Refereed: No. Scope: Local
- Cox, R. R. (Chair or Moderator), Sroda, S. (Panelist), Gierhart, G. (Panelist), New Faculty Orientation, "Faculty Panel Q and A," Center for Teaching Learning and Technology, Murray State University. (August 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Audubon Head Start, "High Five Mathematize for Infant and Toddler," Calloway County RTC, Owensboro, KY. (July 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Audubon Head Start, "Innovative for Improving Children's Teaching Strategies Gold Scores and Improving CLASS and ECERS Scores through Intentional Teacher-Child Interactions," Calloway County RTC, Owensboro, KY. (July 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Hopkins County Preschool, "Positive Adult-Child Interactions and Higher Order Questioning Techniques," Calloway County RTC, Madisonville, KY. (July 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Owensboro Head Start, "High Five Mathematize for Preschool," Calloway County RTC, Owensboro, KY. (July 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), RTC-Summer Institute, "Innovative Strategies for Improving CLASS and ECERS Scores Through Teacher Talk and Teacher-Child Interactions," Calloway County RTC, Hopkinsville, KY. (July 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Lovett, N. (Presenter), WKEC 2012 Summer Institute, "Innovative Strategies for Increasing CLASS and ECERS Scores through Mathematizing and Teacher Talk," WKEC, Hopkinsville, KY. (July 2012).

Refereed: No. Scope: Regional

- Gierhart, G. (Presenter), Ashland RTC Summer Institute, "Math and Science for Young Learners," Ashland RTC, Paintsville, KY. (June 2012). Refereed: No. Scope: Regional
- Gierhart, G. (Presenter), COE University Coordinator Training, "Lesson Plan and Unit Plan," MSU-College of Education, Murray State University. (June 2012). Refereed: No. Scope: Local
- Gierhart, G. (Presenter), Future Educators of America Camp, "Sensory Science," Teacher Quality Institute, Murray State University. (June 2012). Refereed: No. Scope: Regional
- Gierhart, G. (Presenter), Purchase Area Writing Project-Technology, "Purchase Area Writing Project-Technology Workshop," Kentucky Writing Project, Murray, KY. (June 2012). Refereed: No. Scope: Regional
- Gierhart, G. (Presenter), Simpson County Early Childhood RTC Summer Institute, "Intentional Mathematics," Simpson County RTC, Bowling Green, KY. (June 2012). Refereed: No. Scope: Regional
- Gierhart, G. (Presenter), Simpson County Early Childhood RTC Summer Institute, "Mathematics the Preschool Way," Simpson County RTC, Bowling Green, KY. (June 2012). Refereed: No. Scope: Regional
- Gierhart, G. (Workshop Leader or Facilitator), Technology PAWP Days, "Technology and PAWP," PAWP, Murray, KY. (June 2012). Refereed: No. Scope: Regional
- Shatzer, J. (Presenter), Gierhart, G. (Presenter), 57th Annual Convention, "The workshop approach: Building connections," The International Reading Association, Chicago, IL. (May 2012). Refereed: Yes. Scope: International
- Gierhart, G. (Presenter), WKAECE Spring Institute-Putting the Fun in "FUN"-Da-Mentals, "Making Literacy and Mathematical Connections," WKAECE, Paduch, KY. (April 2012). Refereed: Yes. Scope: Regional
- Gierhart, G. (Presenter), WKAECE Spring Institute-Putting the Fun in "FUN"-Da-Mentals, "Much More Than Counting...Making the Math Standards "ROCK"," WKAECE, Paduch, KY. (April 2012). Refereed: Yes. Scope: Regional
- Gierhart, G. (Presenter), Calloway County RTC, "Jumping Into Math," Calloway County RTC, Grand Rivers, KY. (March 2012). Refereed: No. Scope: Local
- Caudle, I. (Presenter), Gierhart, G. (Presenter), KCM Improving Mathematical Practices 2012 Conference, "Bringing in the Math Workshop," Kentucky Center for Mathematics, Frankfort, KY. (March 2012). Refereed: Yes. Scope: State

-2011-

Gierhart, G. & Lovett, N. (2011). Hands-on activities linking learning with play for implementation of science concepts. Kentucky Council of Exceptional Children's Conference.

Gierhart, G. & Lovett, N. (2011). Ten mathematics activities to put the math power in your students. Kentucky Council of Exceptional Children's Conference.

Gierhart, G. (2011). Team building. Murray High School: Murray, KY.

Gierhart, G. (2011). The power of mathematics: Using literacy and science experiences. *Illinois Council of Teachers of Mathematics/Souther Section*. Southern Illinois University: Carbondale, IL.

Gierhart, G. & Musselman, M. (2011). Learning experiences to bring mathematics alive. *Illinois Council of Teachers of Mathematics/Souther Section* Southern Illinois University: Carbondale, IL.

- Gierhart, G. (2011). The mathematics classroom. *Lacy Elementary School*: Hopkinsville, KY.
- Gierhart, G. (2011). KCAS-KAAP aligned content assessment standards. WKSEC: Murray, KY.
- Gierhart, G., et. Al. (2011). PRAXIS-PLT review. Middle School Association: Murray, KY.
- Gierhart, G. (2011). Play, learn, and grow together. Audubon Head Start: Owensboro, KY.
- Gierhart, G. (2011) Play and mathematics. West Kentucky Association for Early Childhood: Paducah, KY.
- Gierhart, G. (2011). Creating a QR Code. CTLT:12 Gadgets of Christmas: Murray, KY
- Shatzer, J., Hansen, J. & Gierhart, G. (2011). Releasing responsibility: Teaching teacher candidates the basics. *International Reading Association: Professors of Reading Teacher Educators*: Orlando, FL.

-2010-

- Gierhart, G. O., & Shatzer, J. (2010). Making mathematics meaningful with differentiation. *Proceedings of the 2010 Kentucky Center for Mathematics Conference*. Frankfort, KY.
- Shatzer, J. & Gierhart, G. O. (2010). Games galore: integrating math and children's literature. *Proceedings of the 26th Annual Conference on Teaching Mathematics: Illinois Council Teachers of Mathematics (southern section)*. Carbondale, IL.
- Shatzer, J., Gierhart, G. O., & Patterson, L. (2010). Celebrate math: Using children's literature to make mathematics connections in reading, science, and social studies. *Proceedings of the NCTM 2010 Regional Conference and Exposition*. New Orleans, LA.
- Gierhart, G. & Lovett, N. (2010). Integrating mathematics throughout the preschool day. *Proceedings of the 2010 Summer Institute at Lake Barkley State Resort Park*. Cadiz, KY.
- Gierhart, G. & Lovett, N (2010). Creating opportunities for young scientists in our preschool classrooms. *Proceedings of the 2010 Summer Institute at Lake Barkley State Resort Park*. Cadiz, KY.

Johnson, L. & Gierhart, G. O. (2010). Introducing poll everywhere. *Proceedings of the 2010 12 Gadgets of Christmas for Center for Teaching, Learning and Technology*. Murray, KY.

Gierhart, G. O. & Musselman, M. (2010). You and your students in mathematics at lone oak elementary school. *Proceedings of the fall 2010 Professional Development for Lone Oak Elementary School*. Paducah, KY.

Gierhart, G. O. (2010) Snap crackle pop: Unlocking the math power in students preK through primary. *Proceedings of the 45th Annual Exceptional Children's Conference*. Louisville, KY.

-2009-

Patmor, G., Campoy, R., Richerson, G., Gierhart, G., Robertson, J., & Anderson, A. (2009). Building a standards-based portfolio assessment system in LT: Process and results. *2009 LiveText Collaboration and Assessment Conference* Chicago, IL.

Lovett, N., Gierhart, G. (2009). Mathematics and the young child. *23rd Annual Kentucky Early Childhood Summer Institute*. Louisville, KY.

Gierhart, G., Patmor, G., Campoy, R., and Richerson, G. (2009). Livetext in the college of education. *Empower Engage Connect CTLT conference*. Murray, KY.

Gierhart, G. (2009). Mathematics and probes. *Future Educators of America Camp 2009*. Murray, KY.

Gierhart, G. (2009). SMARTBoards in stewart county school system. *Summer professional development*. Dover, TN.

Gierhart, G. Shatzer, J. (2009). Mathematics, Science, and literature connections: Using and making learning tools. *11/inois Council of Teachers of Mathematics*. Carbondale, IL

Gierhart, G. (2009). PRAXIS prep. *Murray State University College of Education NEA-SP*. Murray, KY

Gierhart, G. (2009). Creating math moments for young children. *Audubon Area Had Start! Early Head Start & RTC Summer Session*. Owensboro, KY

Gierhart, G. (2009). Strategies to teach writing across the curriculum (middle school and high school). *Purchase Area Writing Project Summer Session*.

Murray, KY.

Gierhart, G. and Lovett, N. (2009). Innovative math strategies for preschool and primary students. *The 44th Annual Exceptional Children's Conference*. Louisville, KY.

Gierhart, G. (2007). Mathematics today. *East Elementary School PTA meeting*, Murray, KY.

Gierhart, G. (2007). Teamwork and teamplay. *Marshall County High School*, Benton, KY.

Gierhart, G. (2007). The power of picture books: Making the literacy/mathematics connection. *KCTM & T3 Regional Conference*, KCTM: Lexington, KY.

Gierhart, G. (2007). The power in picture books: Connecting math and literacy for all. *Kentucky Reading Association 2007 Conference*, K.R.A: Lexington, KY.

Gierhart, G. (2007). Illuminate. *College of education*. Murray State University: Murray, KY.

Gierhart, G., & Lovett, N. (2007). Much more than science for young learners. *21st Annual Kentucky Early Childhood Summer Institute*. Louisville, KY.

Gierhart, G. (2007). Fractions in middle school mathematics. *Western Kentucky Summer Summit 2007*, Murray, KY.

Gierhart, G. & Williams, C. (2007) Numicon. *WKSEC Summer Institute 2007*. Princeton, KY.

Gierhart, G. (2007). Brain research and mathematics. At WKEC, *Regional Mathematics Summit* Murray, KY: Murray State University.

Gierhart, G. (2007). Mathematics and the middle schooler. At WKEC, *Regional Mathematics Summit* Murray, KY: Murray State University.

Shatzer, J. & Gierhart, G. (2007). Connecting math and literature: Adapting reading strategies to teach mathematics. *Murray Area Council of International Reading Association*. Murray, KY.

Shatzer, J. & Gierhart, G. (2007). Build better math futures: Connecting math with powerful children's literature. *2007 Indiana Early Childhood Conference*, Indianapolis, IN.

Shatzer, J. & Gierhart, G. (2006). *Discovering the literature/math*

Connection: making books with young children. Indianapolis, IN: IAEYC Conference (presentation).

Gierhart, G. & Shatzer, J. (2006). *Math bags: connecting math, reading, and writing.* Carbondale, IL: ICTM Regional Conference (presentation).

Gierhart, G. (2006). *Brain research and mathematics.* Murray, KY: WKEC /SEEC fall conference (presentation).

Campoy, R. & Gierhart, G. (2006). *Continuous assessment using data from testgate: an evolution in data evaluation and improved PRAXIS scores.* Georgetown, KY: KATE Fall Conference (presentation).

Gierhart, G. (2006) *Mathematics: the early childhood way.* Lexington, KY: Kentucky Early Childhood RTC Annual conference (presentation).

Gierhart, G. & Provine, K. (2006). *Let's investigate writing.* Murray, KY: Purchase Area Writing Project Fall Conference (presentation).

Shatzer, J. & Gierhart, G. (2006). *Picture book power: Literacy and numeracy connections in children's literature.* Louisville, KY: Kentucky Reading Association (presentation).

Shatzer, J. & Gierhart, G. (2006). *Picture book power: Inspiring preschool literacy and numeracy connections.* Chicago, IL: International Reading Association (presentation).

Shatzer, J. & Gierhart, G. (2006). *Read aloud,-The art of performance reading.* Murray, KY: Murray Area Council of the International Reading Association (presentation).

Bell, D. & Gierhart, G. (2006). *Analyze this*. Benton, KY: PAWP Workshop (presentation).

Gierhart, G. (2006). *Rig01: Relevance, & Relationships with environmental education*. Owensboro, KY: Title I Fall Conference

Shatzer, J. & Gierhart, G. (2005). *Making the connections between mathematics, reading, and writing*. Birmingham, AL: NCTM Southern Regional Conference (presentation accepted).

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