

**Gregory O. Gierhart, MA**

3231 Alexander Hall

Murray, KY 42071

(270) 809-3522

ggierhart@charter.net

**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: Aug/Sep 2017

**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

Endorsement: Elementary Education

**CERTIFICATION:**

Kentucky Provisional Certificate

Grades 5-8

Endorsement: Grades K-4

Teaching Fields: Math, Science, and Spanish

Professional Certificate for Director of Pupil Personnel

Professional Certificate for Instructional Leadership Supervisor

Environmental Education Certified

**CAREER-RELATED  
EXPERIENCE**

Summer 2001-present **West KY Educational Co-Op**

Contract Employee

Professional Development presenter

-Train teachers on uses of technology

-Train teachers on how to implement technology into classrooms

-Math and Science leadership network

Summer 2001-2010 **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 2001-2013 **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  
-presently sports statistician with football, basketball, and soccer

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

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

### **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 Award 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  
College of Education  
and Human Services  
(270) 809-2540

Dr. Jo Robertson  
Murray State University  
-retired-

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

Dr. Joe Baust  
-retired-  
Murray State University

Dr. Jacqueline Hansen  
Chair, Department of  
Early Childhood and  
Elementary Education  
(270)809-2500

Mrs. Susan Barton  
West Ky Educational  
Co-Op  
(270) 809-6978

**(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

**Research Agenda: PhD dissertation Title:**

“The Impact of the Open-Ended Approach in Retaining Numeracy Skills on Pre-Service Elementary Teachers.”

**Teaching Load 2016:**

**Spring 2016:**

**ELE 400: Strategies and Assessment in Elementary Math**  
**ELE 308: Teaching Math and science in early childhood**  
**EDU 303: Strategies of Teaching**

**Fall 2016**

**ELE 400: Strategies and Assessment in Elementary Math**  
**ELE 308: Teaching Math and science in early childhood**  
**EDU 303: Strategies of Teaching**  
**EDU 322: Teaching Strategies II (non-certification)**

**Service 2016:**

***Department of Early Childhood and Elementary Education:***

Second Reader for Elementary 9 Student Teacher portfolios  
 Attended 2016 Interdisciplinary Early Childhood Education Advisory Council Meeting  
 Served on the 2+2 Team Meeting/Training April 20, 2016

***Department of Adolescent, Career and Special Education:***

***Community:***

***Taught overload course EDU 322***

***College of Education and Human Services:***

School Safety “Be the Hero:Stop the Bullying!” Pledge  
 COEHS AdHoc Unit and Lesson Revision Committee  
 Attended all of the CAEP luncheons  
 Member of the CAEP break out committee for Partnerships  
 Member of the CORE Redesign committee (Clinicals)



***Murray State University:***

Judge for the Greek Man & Woman of the Year  
Mentor and thesis reviewer for six BIS students  
Attended MSU Alliance Awards Ceremony  
Tabulator for 2016 MSU Scholarship Pageant  
Served on the committee for the Ralph H. Woods Memorial Award  
Faculty Senator for Department of Early Childhood and Elementary Education  
Chair of the Academic Policies Committee for the Faculty Senate  
Faculty Senate Executive Committee member  
Attended the Livingston Central High School honors awards to award a scholarship  
Faculty advisor for the MSU Club Baseball team  
Faculty Advisor for the Omega Psi Phi fraternity  
Judge for the 2016 MSU Homecoming King and Queen  
Food server at the Almost Midnight Breakfast

***Profession:***

Reviewer for the journals of the National Council of Teachers of Mathematics  
STEM and Family Math presentations at local schools  
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  
Presented at the 7<sup>th</sup> Grade Brandon Springs Trip at LBL for Murray Middle School  
Presentation for Murray KEA-SP  
Presentation at WKAECE

### **Presentations 2016:**

- Gierhart, G. (2016). Using technology to help with differentiation. Southern Illinois Math Conference #31. February 18, 2016. John A. Logan College :Carterville, IL.
- Gierhart, G. (2016). Unlocking the mysteries of the common core. Southern Illinois Math Conference #31. February 18, 2016. John A. Logan College :Carterville, IL.
- Gierhart, G. (2016). Bringing mathematics vocabulary alive in the classroom. Southern Illinois Math Conference #31. February 18, 2016. John A. Logan College :Carterville, IL.
- Gierhart, G. and Lovett, N. (2016). Questions, questions, questions. KY Regional Training Centers Conference. Louisville, KY
- Gierhart, G. (2016). Using children's literature to extend preschool children's science concepts. Summer Institute RTC. Hopkinsville, KY.
- Gierhart, G. (2016) What's special about stem. 51<sup>st</sup> Annual exceptional children's conference:Louisville, KY November 21, 2016.
- Gierhart, G. (2016) Stem on a budget. 51<sup>st</sup> Annual exceptional children's conference:Louisville, KY November 21, 2016.
- Gierhart, G. (2016). Environmental education with alternative certification students. Murray State University: Murray, KY. February 19<sup>th</sup> and 20<sup>th</sup>, 2016.
- Gierhart, G. (2016). Stem on a budget. WKAECE Spring Institute. April 16, 2016 . Paducah, KY.
- Gierhart, G. (2016). A bucket filled with math ideas. WKAECE Spring Institute. April 16, 2016. Paducah, KY
- Gierhart, G. (2016). Whatever Greg says. Purchase Area Writing Project PD#2. April 19, 2016. Murray, KY
- Gierhart, G. (2016). Writing alive in content areas. Purchase Areas Writing Project Summer 2016.

### **Awards for 2016:**

**Student award for LGBT Programming-Lavender Mentor given by student Alec Brock**

## **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 58<sup>th</sup> 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: Local



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/Southern 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.

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