

# Anne Reynolds, Ph.D

Associate Professor  
TLC  
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## Education

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<b>Ph.D., Mathematics Education</b> Florida State University <i>Imaging in children's mathematical activity</i>	<b>1993</b>
<b>M.Ed., Education</b> James Cook University, Australia <i>Strategies for promoting cooperative learning among students</i>	<b>1987</b>
<b>B.Ed., Mathematics</b> James Cook University, Australia	<b>1979</b>

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## Higher Education Work Experience

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<b>Associate Professor</b> Kent State University <i>Mathematics Education</i>	<b>08/2004 - present</b>
<b>Associate Professor</b> University of Oklahoma <i>Mathematics Education</i>	<b>08/1999 - 07/2004</b>
<b>Assistant Professor</b> University of Oklahoma <i>Mathematics Education</i>	<b>08/1993 - 07/1999</b>

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## Other Professional Experience

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<b>Graduate Assistant</b> Florida State University, Tallahassee, FL <i>Mathematics Curriculum Development</i>	<b>1993 - 1993</b>
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<b>Research Assistant</b> Florida State University	<b>08/1990 - 07/1993</b>
<b>Teaching Assistant</b> Florida State University	<b>08/1990 - 07/1993</b>
<b>K-12 Teacher</b> Townsville, Australia <i>Elementary, Middle School, High School Mathematics, Resource Teacher, Elementary Principal</i>	<b>01/1971 - 08/1990</b>

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## Publications

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Richardson, K., Reynolds, A., and Schwartz, C. S. (2012). Exploring quadrilaterals through a flexible approach. <i>Mathematics Teacher</i> , 106(4), 288-294. Publication: <i>Journal Articles, Refereed</i>	2012
Reynolds, A. (2011). Mathematics contributing editor. In J. Collins III & N. P. O'Brien (Eds.) <i>The Greenwood Dictionary of Education, Second Edition</i> . Westport, CT: Greenwood Publishing Group, Inc. Publication: <i>Books Edited</i>	2011
Reynolds, A. (2011). A balance of theory and practice in teacher preparation: President's Column. <i>Intersection Points</i> , 35(3), 1-2. Research Council on Mathematics Learning. Publication: <i>Other</i>	2011
Reynolds, A. (2010). Imagery and Problem centered learning. In <i>Problem-centered learning in mathematics: Reaching all students</i> (pp. 169-183). Saarbrücken, Germany: Lambert Academic Publishing. Publication: <i>Book Chapters</i>	2010
Wheatley, G. H., & Reynolds, A. (2010). <i>Coming to know number: A mathematics activity resource for elementary school teachers, Second edition</i> . Bethany Beach, DE: Mathematics Learning. Publication: <i>Books Authored</i>	2010
Reynolds, A. (Ed.) (2010). <i>Problem-centered learning in mathematics: Reaching all students</i> . Saarbrücken, Germany: Lambert Academic Publishing. Publication: <i>Books Edited</i>	2010
Reynolds, A. (Ed.) (2010). <i>Problem-centered learning in mathematics: Reaching all students</i> . Saarbrücken, Germany: Lambert Academic Publishing. Publication: <i>Books Edited</i>	2010
Wheatley, G. H., & Reynolds, A. (2010). <i>Coming to know number: A mathematics activity resource for elementary school teachers, Second edition</i> . Bethany Beach, DE: Mathematics Learning.	2010

Publication: *Conference Proceedings, Refereed*

Richardson, K., Schwartz, C. S., and Reynolds, A. (2010). Investigating quadrilaterals as an ongoing task. *International Journal of Mathematics Teaching and Learning*, 1–21. Retrieved from <http://www.cimt.plymouth.ac.uk/journal/default.htm> 2010

Publication: *Journal Articles, Refereed*

Reynolds, A. (2010). Common Core Standards: President's Column. *Intersection Points*, 35(1), 1-2. Research Council on Mathematics Learning. 2010

Publication: *Other*

Reynolds, A. (2010). Are We "Waiting for Superman?": President's Column. *Intersection Points*, 35(2), 1-2. Research Council on Mathematics Learning. 2010

Publication: *Other*

Reynolds, A. (2009). Challenges for the future: President's Column. *Intersection Points*, 34(1), 1-3. Research Council on Mathematics Learning. 2009

Publication: *Other*

Reynolds, A. (2009). *Investigations in Mathematics Learning*, Our first year: President's Column. *Intersection Points*, 34(2), 1-2. Research Council on Mathematics Learning. 2009

Publication: *Other*

Reynolds, A. (2009). Challenges for the future: President's Column. *Intersection Points*, 34(1), 1-3. Research Council on Mathematics Learning. 2009

Publication: *Other*

Cassel, D. & Reynolds, A. (2007). Listening as a Vital Element in Synergistic Argumentation During Mathematics Problem-Solving. *Focus on Learning Problems in Mathematics*, 29(4). 30-47. 2007

Publication: *Journal Articles, Refereed*

Reynolds, A., Cassel, D., & Lillard, E. (2006). A mathematical exploration of Grandpa's Quilt. *Teaching Children Mathematics*, 12(7), 340-345. 2006

Publication: *Journal Articles, Refereed*

Reeder, S., Cassel, D., Reynolds, A., & Fleener, M.J. (2006). Doing Something Different: Envisioning and Enacting Mathematics Curriculum Alternatives. *Curriculum and Teaching Dialogue*, 8 (1&2). 51-68. 2006

Publication: *Journal Articles, Refereed*

Reynolds, A., Fleener, M. J., Wheatley, G. H., & Robbins, R. (2005). The making of Intelligence: Poststructural perspectives of learning. *International Journal of Learning*, 11, 1033-1039. Article: LC04-0123-2004. 2005

Publication: *Journal Articles, Refereed*

Reynolds, A. (2004). Mathematical learning. In Sue Stein & Shanan Farmer (Eds.) *Connotative learning: Making training meaningful*. (pp.153-165). Dubuque, IA: Kendall/Hunt. 2004

Publication: *Book Chapters*

- Trytten, Deborah A., Shehab, Randa L., Rhoads, Teri Reed, Fleener, M. Jayne, Harris, Betty J., Reynolds, Anne, Walden, Susan E., Moore-Furneaux, Sandra Kay, Kvach, Elizabeth, Warram, Kim R., & Murphy Teri J. (2004). "Inviteful" Engineering: Student Perceptions of Industrial Engineering. Proceedings of the 2004 American Society for Engineering Education Annual Conference and Exposition. 2004  
 Publication: *Conference Proceedings, Refereed*
- Cassel, D. & Reynolds, A. (2004). Students' perspective on argumentation in a mathematics classroom. In Douglas E. McDougall & John A. Ross (Eds.) Proceedings of the twenty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 3. 1363-1369. 2004  
 Publication: *Conference Proceedings, Refereed*
- Trytten, Deborah A., Shehab, Randa L., Rhoads, Teri Reed, Fleener, M. Jayne, Harris, Betty J., Reynolds, Anne, Walden, Susan E., Moore-Furneaux, Sandra Kay, Kvach, Elizabeth, Warram, Kim R., & Murphy Teri J. (2004). "Inviteful" Engineering: Student Perceptions of Industrial Engineering. Proceedings of the 2004 American Society for Engineering Education Annual Conference and Exposition. 2004  
 Publication: *Journal Articles, Refereed*
- Cassel, D. & Reynolds, A. (2004). Students' perspective on argumentation in a mathematics classroom. In Douglas E. McDougall & John A. Ross (Eds.) Proceedings of the twenty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 3. 1363-1369. 2004  
 Publication: *Journal Articles, Refereed*
- Harris, Betty J., Rhoads, Teri Reed, Walden, Susan E., Murphy Teri J., Meissler, Reinhild, & Reynolds, Anne (2004). Gender equity in industrial engineering: A pilot study. National Women's Studies Association Journal, 16(1) 186-193. 2004  
 Publication: *Journal Articles, Refereed*
- Trowell, S. & Reynolds, A. (2004). How long is its projection? Teaching Mathematics in the Middle School, 9(8) 444-448. 2004  
 Publication: *Journal Articles, Refereed*
- Reynolds, A. (2003). Mathematics contributing editor. In J. Collins III & N. P. O'Brien (Eds.) The Greenwood Dictionary of Education. Westport, CT: Greenwood Publishing Group, Inc. 2003  
 Publication: *Books Edited*
- Fleener, M. J., Reeder, Stacy L., Young, E., & Reynolds, Anne M. (2003). History of mathematics: Building relationships for teaching and learning. Action in Teacher Education, 24(3). 73-84. 2003  
 Publication: *Journal Articles, Refereed*
- Cassel, D., Reynolds, A., & Vaughn, C. (2003) Learning mathematics in community: Accommodating learning styles in a second-grade problem centered classroom. Focus on Learning Problems in Mathematics, 25(1), 29-42. 2003  
 Publication: *Journal Articles, Refereed*
- Cassel, Darlinda & Reynolds, Anne (2002). Listening as a vital characteristic of synergistic argumentation for enhanced mathematical learning in a problem-centered environment. In D. S. Mewborn, P. Sztajn, D.Y. White, H.G. Weigel, R. L. Bryant & K. Nooney Proceedings of the twenty-fourth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 4. 1743-1753. 2002

Publication: *Journal Articles, Refereed*

Reynolds, A. (2000). Coming to know number: Presenter's resource. Educational Enrichment Inc. Norman, OK. 2000

Publication: *Books Authored*

Reynolds, A., Watanabe, T., & Trowell, S. (1999). The big ideas in middle school mathematics: Presenter's materials. Norman, OK: Educational Enrichment Inc. 1999

Publication: *Books Authored*

Wheatley, G. H., & Reynolds, A. (1999). Coming to know number: A mathematics activity resource for elementary school teachers. Tallahassee, FL: Mathematics Learning. 1999

Publication: *Books Authored*

Wheatley, G. H., & Reynolds, A. (1999). "Image Maker:" Developing spatial sense. *Teaching Children Mathematics*, 5(6), 374-378. 1999

Publication: *Journal Articles, Refereed*

Reynolds, A., Watanabe, T., & Trowell, S. (1998). The big ideas in middle school mathematics: Teacher's resource. Norman, OK: Educational Enrichment Inc. 1998

Publication: *Books Authored*

Reynolds, A. (1998). Learning through problem solving: A reaction to Murray, Olivier, and Human. In A. Olivier, & K. Newstead, *Proceedings of the Twenty-second Annual Conference of the International Group for the Psychology of Mathematics Education*, 1, 186-193. Stellenbosch, South Africa. 1998

Publication: *Journal Articles, Non-Refereed*

Reynolds, A. (1998). Spatial sense and mathematical power. *Math connections*, 1(7), 1-6. 1998

Publication: *Journal Articles, Non-Refereed*

Wheatley, G. H., & Reynolds, A. (1998). Thinking in units: An alternative to counting as a basis for constructing number. In Berenson, S. B., Dawkins, K. R., Blanton, M., Coulombe, W. N., Kolb, J., Norward, K., & Stiff, L. (Eds.) *Proceedings of Twentieth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 2, 833-838. 1998

Publication: *Journal Articles, Refereed*

Geoghegan, N., Reynolds, A., & Lillard, E. (1997). Problem-centered learning and early childhood mathematics. In J. A. Dossey, J. O., Swafford, M. Parmantie, & A. E. Dossey (Eds.), *Proceedings of the Nineteenth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 1, 235-240. 1997

Publication: *Conference Proceedings, Refereed*

Reynolds, A., & Wheatley, G. H. (1997). A fifth grade student's use of imagery in solving a non-routine task. *Teaching Children Mathematics* 4(2), 100-104. 1997

Publication: *Journal Articles, Refereed*

Reynolds, A., & Wheatley, G. H. (1997). Third grade students engage in a playground measuring activity. *Teaching Children Mathematics*, 4(3), 166-170. 1997

Publication: *Journal Articles, Refereed*

Reynolds, A. & Wheatley, G. H. (1996). How do social interactions among children contribute to learning? In H. Mansfield, N. Pateman, & N. Bednarz, (Eds.) *Mathematics for tomorrow's young children: International perspectives on curriculum* (pp. 186-197). Hingham, MA: Kluwer Academic Publishers. 1996

Publication: *Book Chapters*

Wheatley, G. H., & Reynolds, A. (1996). The construction of abstract units in geometric and numerical settings. *Educational Studies in Mathematics*, 30, 67-83. 1996

Publication: *Journal Articles, Refereed*

Reynolds, A., & Wheatley, G. H. (1996). The emergence of multiplicative reasoning in younger students. In E. Jakubowski (Ed.), *Proceedings of the Eighteenth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 1, 324-329. Panama City, FL. 1996

Publication: *Journal Articles, Refereed*

Reynolds, A., & Wheatley, G. H. (1996). Elementary students' construction and coordination of units in an area setting. *Journal for Research in Mathematics Education*, 27(5), 564-581. 1996

Publication: *Journal Articles, Refereed*

Watanabe, T., Reynolds, A., & Lo, J. (1995). Fifth grade students' fractional concepts. *Proceedings of the Nineteenth Annual conference of the International Group for the Psychology of Mathematics Education*, 3. 200-207. Recife, Brazil. 1995

Publication: *Journal Articles, Refereed*

Fleener, M. J., & Reynolds, A. (1994). The relationship between preservice teachers' metaphors for mathematics learning and habermasian interests. *Proceedings of the Sixteenth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 1, 247-253. Baton Rouge, LA. 1994

Publication: *Journal Articles, Refereed*

Reynolds, A., & Wheatley, G. H. (1994). One student's effort in resolving his self-generated measurement problem: "See if it would work with a triangle." *Proceedings of the Sixteenth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 2, 17-23. Baton Rouge, LA. 1994

Publication: *Journal Articles, Refereed*

Reynolds, A., & Wheatley, G. H. (1994). One student's effort in resolving his self-generated measurement problem: "See if it would work with a triangle." *Proceedings of the Sixteenth Annual Conference of the North American Chapter of the International Group for the Psychology of Mathematics Education*, 2, 17-23. Baton Rouge, LA. 1994

Publication: *Journal Articles, Refereed*

Reynolds, A., & Wheatley, G. H. (1994). Children's symbolizing of their mathematical constructions. *Proceedings of the Eighteenth Annual Conference of the International Group for the Psychology of Mathematics Education*, 4, 113-120. Lisbon, Portugal. 1994

Publication: *Journal Articles, Refereed*

Wheatley, G. H., & Reynolds, A. (1992). *Spatial Happenings and Problem Solving Experiences in Mathematics*. Tallahassee, FL: Florida Department of Education. 1992

Publication: *Books Authored*

Reynolds, A., & Wheatley, G. H. (1992). The elaboration of images in the process of mathematics meaning making. Proceedings of the Sixteenth Annual Conference of the International Group for the Psychology of Mathematics Education, 2, 242-249. Durham, NH.  
Publication: *Journal Articles, Refereed* 1992

Wheatley, G. H., & Reynolds, A. (1991). The construction of abstract geometric and numerical units. Proceedings of the Thirteenth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, 2, 106-112. Blacksburg, VA.  
Publication: *Journal Articles, Refereed* 1991

Wheatley, G. H., & Reynolds, A. (1991). The potential for mathematical activity in tiling: Constructing abstract units. Proceedings of the Fifteenth Annual Conference of the International Group for the Psychology of Mathematics Education, 3, 340-347. Assisi, Italy.  
Publication: *Journal Articles, Refereed* 1991

McArdle, W. J., & Reynolds, A. (1979). Supplementary spelling program. Townsville, Australia: PEOMO Publications.  
Publication: *Books Authored* 1979

McArdle, W. J., & Reynolds, A. (1978). Maths objectives for primary schools. Townsville, Australia: PEOMO Publications.  
Publication: *Books Authored* 1978

Jacobs, J.E., Reynolds, A., & McArdle, W. J. (1977). Language arts objectives for primary schools. Brisbane, Australia: Brooks Publications.  
Publication: *Books Authored* 1977

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## Presentations

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Trowell, S. & Reynolds, A. (2013, April). *Developing Spatial Sense in 3-D*. Presentation at the National Council of Teachers of Mathematics Annual Meeting. Denver, CO.  
Type: *National Refereed* 2013

Reynolds, A. & Lillard, E. (2013, March). Second grade students' exploration of five sided shapes. Presentation at the Research Council on Mathematics Learning Annual Conference. Tulsa, OK.  
Type: *National Refereed* 2013

Trowell, S. & Reynolds, A. (2011, April). *Connecting Algebraic Thinking with Number and Geometry*. Presentation at the National Council of Teachers of Mathematics Annual Meeting. Indianapolis, IN.  
Type: *International Refereed* 2011

Reynolds, A. (2011, February). *Multiplicative thinking in younger students*. Presentation at the Greater Akron Mathematics Educators Society Annual Conference, Akron, OH.  
Type: *Local Invited* 2011

- Reynolds, A. & Mikusa, M. (2011, March). *Mathematical Explorations for Middle Grades Teachers*. Presentation at the Research Council on Mathematics Learning Annual Conference. Cincinnati, OH. 2011  
Type: *International Refereed*
- Mikusa, M. & Reynolds, A. (2010, March). *Teachers connecting the Dots: The path from learning mathematics to teaching mathematics*. Presentation at the Research Council on Mathematics Learning Annual Conference. Conway, AR. 2010  
Type: *National Refereed*
- Reynolds, A. (2010, April). *Supporting children's sense making in number*. Presentation at the National Council of Teachers of Mathematics Annual Meeting. San Diego, CA. 2010  
Type: *International Refereed*
- Reynolds, A. (2010, October). *Beginning multiplicative thinking*. Presentation at the Ohio Council of Teachers of Mathematics 60<sup>th</sup> Annual Conference, Akron, OH. 2010  
Type: *State Non-Refereed*
- Reynolds, A., Lillard, E., & Trowell, S. (2009, April). *Tiling with Dot Paper*. Workshop presentation at the National Council of Teachers of Mathematics Annual Meeting. Washington, DC. 2009  
Type: *National Refereed*
- Mikusa, M. & Reynolds, A. (2009, March). *Co-Teaching: What Goes on Between Instructors and Students* Meeting of the Research Council on Mathematics Learning, Rome, GA. 2009  
Type: *National Non-Refereed*
- Reynolds, A. (2009, February). *Developing spatial sense with younger students: Classroom activities* Presentation at the Greater Akron Mathematics Educators Society Annual Conference, Akron, OH. 2009  
Type: *Local Invited*
- Reynolds, A., Lillard, E., & Trowell, S. (2008, April). *Investigations with a Trapezoid*. Workshop presentation at the National Council of Teachers of Mathematics Annual Meeting. Salt Lake City, UT. 2008  
Type: *National Refereed*
- Richardson, K., Reynolds, A., & Stein, C. (2008, April). *An Exploration Into Quadrilaterals on a Four-by-Four Array*. Workshop presentation at the National Council of Teachers of Mathematics Annual Meeting. Salt Lake City, UT. 2008  
Type: *National Refereed*
- Reynolds, A (2008, March) *Meaningful mathematics for all students: the place of imagery*. Keynote address at the Meeting of the Research Council for Mathematics Learning, Oklahoma City Oklahoma City, OK. 2008  
Type: *National Invited*
- Reynolds, A & Mikusa, M (2008, March) *How do middle school teachers describe mathematics? Why does it matter?* Meeting of the Research Council on Mathematics Learning, Oklahoma City, OK. 2008  
Type: *National Non-Refereed*



- Reynolds, A. (2008, October) *Developing number sense through a variety of class openers*. 2008  
 Presentation at the National Council of Teachers of Mathematics Regional Conference, Cleveland  
 Cleveland OH.  
 Type: *Regional Refereed*
- Reynolds, A. (2008, October) *Reaching all students through problem solving*. Presentation at 2008  
 the National Council of Teachers of Mathematics Regional Conference, Oklahoma City, OK.  
 Type: *Regional Invited*
- Reynolds, A. (2007, February). Building spatial sense in 3-D. Presentation at the Greater Akron 2007  
 Mathematics Educators Society Annual Conference, Akron, OH.  
 Type: *State Non-Refereed*
- Reynolds, A. (2007, October). Young children explore space. Presentation at the Ohio Council of 2007  
 Teachers of Mathematics 57th Annual Conference, Columbus, OH.  
 Type: *State Non-Refereed*
- Reynolds, A. & Lillard, E. (2007, March). Penny math: Making sense of number in the early 2007  
 grades. Presentation at the National Council of Teachers of Mathematics Annual Meeting.  
 Atlanta, GA.  
 Type: *International Refereed*
- Reynolds, A. (2007, February). Building spatial sense in 3-D. Presentation at the Greater Akron 2007  
 Mathematics Educators Society Annual Conference, Akron, OH.  
 Type: *Regional Non-Refereed*
- Cassel, D. & Reynolds, A. (2007, March). One Teacher's Reasoning for Asking Questions in a 2007  
 Second-Grade Problem-Centered Mathematics Classroom. Meeting of the Research Council for  
 Mathematics Learning, Cleveland, OH.  
 Type: *National Non-Refereed*
- Reynolds, A. & Lillard, E. (2007, March). Penny math: Making sense of number in the early 2007  
 grades. Presentation at the National Council of Teachers of Mathematics Annual Meeting.  
 Atlanta, GA.  
 Type: *National Refereed*
- Reynolds, A. (2007, February). Building spatial sense in 3-D. Presentation at the Greater Akron 2007  
 Mathematics Educators Society Annual Conference, Akron, OH.  
 Type: *Local Invited*
- Reynolds, A. (2006, October). Building spatial sense in 3-D. Presentation at the Ohio Council of 2006  
 Teachers of Mathematics 56th Annual Conference, Toledo, OH.  
 Type: *State Non-Refereed*
- Reynolds, A. & Lillard, E. (2006, April). Making Number Sense through the Investigation of 2006  
 Trapezoids. Workshop presentation at the National Council of Teachers of Mathematics Annual  
 Meeting. Saint Louis, MO.  
 Type: *National Non-Refereed*

- Reynolds, A. (2006, February). Experiencing a mathematics methods class when one of the students is blind. Meeting of the Research Council for Mathematics Learning, Las Vegas, NV. 2006  
Type: *National Non-Refereed*
- Reynolds, A. & Lillard, E. (2006, April). Making Number Sense through the Investigation of Trapezoids. Workshop presentation at the National Council of Teachers of Mathematics Annual Meeting. Saint Louis, MO. 2006  
Type: *National Refereed*
- Reynolds, A. (2005, February). Building number sense using a collections based approach. Presentation at the Greater Akron Mathematics Educators Society Annual Conference, Akron, OH. 2005  
Type: *State Non-Refereed*
- Reynolds, A. & Trowell, S. (2005, October). Helping students develop number sense through thinking in collections. NCTM Southern Regional Conference, Birmingham, AL. 2005  
Type: *Regional Refereed*
- Reynolds, A. (2005, October). A collections approach to number sense: Workshop presentation. Ohio Council of Teachers of Mathematics 55th Annual Conference, Dayton, OH. 2005  
Type: *State Non-Refereed*
- Reynolds, A. (2005, February). Building number sense using a collections based approach. Presentation at the Greater Akron Mathematics Educators Society Annual Conference, Akron, OH. 2005  
Type: *Local Invited*
- Cassel, D. & Reynolds, A. (2005, February). Student questioning strategies in a problem-centered mathematics classroom. Meeting of the Research Council for Mathematics Learning, Little Rock, AR. 2005  
Type: *National Non-Refereed*
- Reynolds, A. (2004, February). Imagery and mathematics learning. Annual Meeting of the Research Council for Mathematics Learning, Oklahoma City, OK. 2004  
Type: *National Non-Refereed*
- Walden, Susan E., Reynolds, Anne, Murphy, Teri J., Deborah A. Trytten, Rhoads, Teri R., Shehab, Randa L., Fleener, M Jayne, & Harris, Betty J. (2004, April). Impact of departmental autonomy on service classes for engineering majors. Annual Meeting of the American Educational Research Association, San Diego, CA. 2004  
Type: *National Non-Refereed*
- Reynolds, A., Fleener, M. J., & Robbins, R. (2004, July). The making of intelligence: Poststructural perspectives of learning. Eleventh International Literacy and Education Research Network Conference on Learning. Havana, Cuba. 2004  
Type: *International Non-Refereed*
- Cassel, D. & Reynolds, A. (2004, February). A look at one teacher's questioning in a second-grade problem-centered mathematics classroom. Meeting of the Research Council for Mathematics Learning, Oklahoma City, OK. 2004  
Type: *National Non-Refereed*

- Reynolds, A. (2004, February). Imagery and mathematics learning. Annual Meeting of the Research Council for Mathematics Learning, Oklahoma City, OK. 2004  
Type: *National Non-Refereed*
- Walden, Susan E., Reynolds, Anne, Murphy, Teri J., Deborah A. Trytten, Rhoads, Teri R., Shehab, Randa L., Fleener, M Jayne, & Harris, Betty J. (2004, April). Impact of departmental autonomy on service classes for engineering majors. Annual Meeting of the American Educational Research Association, San Diego, CA. 2004  
Type: *National Refereed*
- Reynolds, A., Fleener, M. J., & Robbins, R. (2004, July). The making of intelligence: Poststructural perspectives of learning. Eleventh International Literacy and Education Research Network Conference on Learning. Havana, Cuba. 2004  
Type: *International Refereed*
- Cassel, D. & Reynolds, A. (2004, October). Students' perspective on argumentation in a mathematics classroom. Twenty-sixth annual meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education. Toronto, Canada. 2004  
Type: *International Refereed*
- Fleener, M.J., Flourney, V., Clift, K., Reynolds, A., & Olson, J. (2003, March). What is mathematics? Annual Meeting of the Research Council for Mathematics Learning, Arizona State University. 2003  
Type: *National Non-Refereed*
- Cassel, D., Lillard, E., & Reynolds, A. (2003, April). Grandpa's Quilt. Workshop presentation at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, TX. 2003  
Type: *National Non-Refereed*
- Trowell, S. & Reynolds, A. (2003, April). Proportional reasoning in the middle grades. Workshop presentation at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, TX. 2003  
Type: *National Non-Refereed*
- Fleener, M.J., Flourney, V., Clift, K., Reynolds, A., & Olson, J. (2003, March). What is mathematics? Annual Meeting of the Research Council for Mathematics Learning, Arizona State University. 2003  
Type: *National Non-Refereed*
- Fleener, M.J., Reynolds, A., Reeder, S., Cassel, D., & Adolphson, K. (2003, March). Emergent curriculum: Classroom cultures, argumentation, and technology. Annual Meeting of the Research Council for Mathematics Learning, Arizona State University. 2003  
Type: *National Non-Refereed*
- Cassel, D., Lillard, E., & Reynolds, A. (2003, April). Grandpa's Quilt. Workshop presentation at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, TX. 2003  
Type: *National Refereed*

- Trowell, S. & Reynolds, A. (2003, April). Proportional reasoning in the middle grades. Workshop presentation at the annual meeting of the National Council of Teachers of Mathematics, San Antonio, TX. 2003  
Type: *National Refereed*
- Lillard, E., Cassel, D., & Reynolds, A., (2002, February). Grandpa's Quilt. Presentation at the National Council of Teachers of Mathematics Regional Conference, Oklahoma City, OK. 2002  
Type: *Regional Refereed*
- Lillard, E., Cassel, D., & Reynolds, A. (2002, February). Making number sense through the investigation of trapezoids; Pre-K – 5 workshop. Workshop presented at the National Council of Teachers of Mathematics Southern Regional Conference, Oklahoma City, OK. 2002  
Type: *Regional Refereed*
- Reynolds, A. (2002, February). Coming to know number: A mathematics activity resource for elementary teachers. Book signing at the National Council of Teachers of Mathematics Southern Regional Conference, Oklahoma City, OK. 2002  
Type: *Regional Invited*
- Cassel, D. & Reynolds, A., (2002, March). Role of discourse/argumentation in students' construction of mathematical meaning. Paper presented at the Research Council for Mathematics Learning Annual Meeting, Memphis, TN. 2002  
Type: *National Non-Refereed*
- Cassel, D. & Reynolds, A., (2002, October). Listening as a vital characteristic of synergistic argumentation for enhanced mathematical learning in a problem-centered environment. Presentation at the annual conference of the North American Chapter of the Psychology of Mathematics Education, Athens, GA. 2002  
Type: *National Non-Refereed*
- Trowell, S. D. & Reynolds, A. (2001, April). Exploring proportional reasoning. Paper presented at the Annual Meeting of the National Council of Teachers of Mathematics, Orlando, FL. 2001  
Type: *National Refereed*
- Wheatley, G. H., & Reynolds, A. (2001, April). Developing number sense. Paper presented at the Annual Meeting of the National Council of Teachers of Mathematics, Orlando, FL. 2001  
Type: *National Refereed*
- Reynolds, A., (2001, July). What counts as multiplicative thinking in younger students? Presentation at the working session on multiplicative thinking at the International Group for the Psychology of Mathematics Education, Utrecht, The Netherlands. 2001  
Type: *International Non-Refereed*
- Reynolds, A. (2000, February). What's an angle? Paper presented at the Twenty-seventh Annual Research Council for Mathematics Learning Conference. Las Vegas, NV. 2000  
Type: *National Refereed*
- Reynolds, A., & Wheatley, G. H. (2000, April). Thinking in collections. Paper presented at the Annual Meeting of the National Council of Teachers of Mathematics, Chicago, IL. 2000  
Type: *National Refereed*

- Reynolds, A. (2000, July). Multiplicative thinking. Paper presented at the working group on multiplication at the International Group for the Psychology of Mathematics Education Conference. Hiroshima, Japan. 2000  
Type: *International Refereed*
- Reynolds, A. & Lillard, E. (1999, June). Developing number relationships through investigations with a trapezoid. Paper presented at the Oklahoma Council of Teachers of Mathematics Annual Conference, Oklahoma City, OK. 1999  
Type: *State Refereed*
- Reynolds, A. (1999, February). Supporting the development of mathematically more able students. Paper presented at the 26th Annual Meeting of the Research Council for Mathematics Learning, College Station, TX. 1999  
Type: *National Non-Refereed*
- Wheatley, G. H. & Reynolds, A. (1999, April). Making sense of number with an image based approach. Paper presented at the Annual Meeting of the National Council of Teachers of Mathematics, San Francisco, CA. 1999  
Type: *National Refereed*
- Reynolds, A. & Lillard, E. (1999, April). Primary-grade students develop number relationships through investigations with a trapezoid. Paper presented at the Annual Meeting of the National Council of Teachers of Mathematics, San Francisco, CA. 1999  
Type: *National Refereed*
- Geoghegan, N. & Reynolds, A. (1999, July). A Grade-Two Teacher's Incorporation of Children's Creativity to Effectuate Problem-Centered Learning with Constructivist and Systems Theories in Mathematics Education. Paper presented at the International Conference on Creativity and Mathematics Education, Munster, Germany. 1999  
Type: *International Non-Refereed*
- Jacobs, J. E. & Reynolds, A. (1999, July). Enabling gifted learners in mathematics from an organizational and administrative perspective. Paper presented at the International Association of Special Education Sixth Biennial International Conference, Sydney, Australia. 1999  
Type: *International Refereed*
- Reynolds, A., & Wheatley, G. H. (1998, April). Encouraging students' mathematical constructions through imagery. Paper presented at the Annual Meeting of the National Council of Teachers of Mathematics, Washington, D.C. 1998  
Type: *National Refereed*
- Watanabe, T., & Reynolds, A., (1998, July). Children's understanding of area measurement as a multiplicative concept. Paper presented at the Working Group on Understanding of Multiplicative Concepts, Twenty-second Annual Conference of the International Group for the Psychology of Mathematics Education, Stellenbosch, South Africa. 1998  
Type: *International Refereed*
- Reynolds, A. (1998, July). Learning through problem solving: A reaction to Murray, Olivier, and Human. Paper presented at the Research Forum, Learning Through Problem Solving, Twenty-second Annual Conference of the International Group for the Psychology of Mathematics Education, Stellenbosch, South Africa. 1998  
Type: *International Non-Refereed*

- Geoghegan, N., Reynolds, A., & Lillard, E. (1998, October). Creative thinking: A mental fund and fundamental of mathematics education. Paper presented at the Twentieth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Raleigh, NC. 1998  
Type: *National Refereed*
- Wheatley, G. H. & Reynolds, A. (1998, October). Thinking in units: An alternative to counting as a basis for constructing number. Paper presented at the Twentieth Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Raleigh, NC. 1998  
Type: *National Refereed*
- Reynolds, A. (1997, July). Dot paper tiling. Paper presented at the Oklahoma Council of Teachers of Mathematics Annual Conference, Oklahoma City, OK. 1997  
Type: *State Refereed*
- Reynolds, A. (1997, February). Elementary students proportional reasoning. Paper presented at the Research Council for Diagnostic and Prescriptive Mathematics Twenty-fourth Annual Conference, Oklahoma City, OK. 1997  
Type: *National Non-Refereed*
- Reynolds, A., and Wheatley, G. H. (1997, April). Helping students construct multiplication schemes. Paper presented at the National Council of Teachers of Mathematics Annual Conference, Minneapolis-Saint Paul, MN. 1997  
Type: *National Refereed*
- Geoghegan, N., & Reynolds, A. (1997, July). The interactive constitution of mathematics: Teaching and learning. Paper presented at the Working Group: Social Aspects of Mathematics Education. Twenty-first Annual Conference of the International Group for the Psychology of Mathematics Education, Lahti, Finland. 1997  
Type: *International Refereed*
- Reynolds, A. (1996, March). Space and Number. Paper presented at the Math Mini-Conference, Central Oklahoma Association of Teachers of Mathematics, Oklahoma City, OK. 1996  
Type: *State Non-Refereed*
- Reynolds, A. (1996, July). An activity with fractions. Paper presented at the Oklahoma Council of Teachers of Mathematics Annual Conference, Oklahoma City, OK. 1996  
Type: *State Refereed*
- Reynolds, A. & Wheatley, G. H. (1996, October). The emergence of multiplicative reasoning in younger students. Presentation at the 18th Annual Meeting of PME-NA. Panama City, FL. 1996  
Type: *National Refereed*
- Reynolds, A., and Wheatley, G. H. (1996, April). Imagery in children's mathematics. Paper presented at the National Council of Teachers of Mathematics Annual Conference, San Diego, CA. 1996  
Type: *National Refereed*
- Reynolds, A. (1995, August). Tiling. Paper presented at the Oklahoma Council of Teachers of Mathematics Annual Conference, Oklahoma City, OK. 1995  
Type: *State Refereed*

- Reynolds, A. (1995, April). Experiences with Shape. Paper presented at the National Council of Teachers of Mathematics Annual Conference, Boston, MA. 1995  
 Type: *National Refereed*
- Reynolds, A. (1994, February). Children's sense of space. Paper presented at the Ninth Annual CCACUS Conference, Norman, OK. 1994  
 Type: *State Non-Refereed*
- Reynolds, A. & Wheatley, G. H. (1994, July). Children's symbolizing of their mathematical constructions. Presentation at the 18th Annual Meeting of PME. Lisbon, Portugal. 1994  
 Type: *International Refereed*
- Reynolds, A. (1994, October). One student's effort in resolving his self-generated measurement problem: "See if it would work with a triangle." Presentation at the 16th Annual Meeting of PME-NA. Baton Rouge, LA. 1994  
 Type: *National Refereed*
- Reynolds, A., & Wheatley, G. H. (1994, April). Elementary students' constructions of multiplication. Paper presented at the Annual Meeting of the American Educational Research Association, New Orleans, LA. 1994  
 Type: *National Refereed*
- Wheatley, G. H., & Reynolds, A. (1993, April). The construction and coordination of units in mathematics. Paper presented at the Annual Meeting of the American Educational Research Association, Atlanta, GA. 1993  
 Type: *National Refereed*
- Wheatley, G., & Reynolds, A. (1992, April). The SHAPE materials. Paper presented at the State of Florida Eisenhower Symposium, Tampa, FL. 1992  
 Type: *State Non-Refereed*
- Reynolds, A. (1992, July). The elaboration of images in the process of mathematics meaning making. Presentation at the 16th Annual Conference of PME. Durham, NH. 1992  
 Type: *National Refereed*
- Reynolds, A., & Wheatley, G. (1992, August). How do social interactions among children contribute to learning? Paper presented at the International Conference of Mathematics Education, Quebec, Canada. 1992  
 Type: *International Non-Refereed*
- Atkins, S., & Reynolds, A. (1991, November). Symbols without meaning. Paper presented at the Sixteenth Fall Meeting, Tallahassee Region, Mathematical Association of America, Tallahassee, FL. 1991  
 Type: *State Non-Refereed*
- Wheatley, G. H. & Reynolds, A. (1991, July). The potential for mathematical activity in tiling: Constructing abstract units. Presentation at the 15th Annual Conference of PME. Assisi, Italy. 1991  
 Type: *International Refereed*

Reynolds, A. (1991, October). The construction of abstract geometric and numerical units. 1991  
Presentation at the 13th Annual Conference of PME-NA. Blacksburg, VA.

Type: *National Non-Refereed*

Reynolds, A. (1990, January). Education in Australia. Paper presented at meeting of the 1990  
Treasure Coast Chapter of Phi Delta Kappa, Vero Beach, FL.

Type: *State Non-Refereed*

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## Service

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**Consulting, KEEP Math Academy: Aurora, Hudson, Stow-Monroe Falls, and Tallmadge School Districts** 2010 - 2010

Type: *Regional*

**President,** 2009 - 2011

`<!-- /* Style Definitions */ p.MsoNormal, li.MsoNormal, div.MsoNormal {mso-style-parent:""; margin:0in; margin-bottom:.0001pt; mso-pagination:widow-orphan; font-size:10.0pt; font-family:"Times New Roman"; mso-fareast-font-family:"Times New Roman";} @page Section1 {size:8.5in 11.0in; margin:1.0in 1.25in 1.0in 1.25in; mso-header-margin:.5in; mso-footer-margin:.5in; mso-paper-source:0;} div.Section1 {page:Section1;} -->`Research Council on Mathematics Learning.

Type: *National*

**Committee, Mathematics Education Search Committee** 2009 - 2010

Type: *Department*

**Committee, Early Childhood Literacy Search Committee** 2009 - 2010

Type: *Department*

**Chair, Research Council on Mathematics Learning** 2008 - 2008

Type: *National*

**Editorial Board, Investigations in Mathematics Learning** 2008 - present

Type: *International*

**Co-chair, Research Council on Mathematics Learning** 2007 - 2007

*RCML Annual Conference, Cleveland, OH. March 1-3.*

Type: *National*

**Member, University Requirements Curriculum Committee** 2007 - 2009

Type: *University*

**Reviewer, Dominion** 2007 - present

*Judging of proposals for Dominion Education grants.*

Type: *Regional*



<b>Consulting, Aurora Public Schools</b>	<b>2006 - present</b>
<i>Aurora Public Schools, Aurora, OH. Providing on-going professional development activities with mathematics teachers and administrators K-12.</i>	
Type: <i>Regional</i>	
<b>Consulting, ODE Program Models, Mathematics</b>	<b>2006 - 2009</b>
<i>University Consultant: Project Coordination Team: Ohio Department of Education Mathematics Program Models: Aurora and Hudson High Schools.</i>	
Type: <i>State</i>	
<b>Member, Instructional Review Board</b>	<b>2006 - present</b>
Type: <i>University</i>	
<b>Member, Ohio Department of Education</b>	<b>2005 - 2005</b>
<i>School Study Council of Ohio's Program Models Development Team: Secondary Mathematics: Summer.</i>	
Type: <i>State</i>	
<b>Research Council on Mathematics Learning</b>	<b>2005 - 2007</b>
<i>Vice-President for Publications, Research Council on Mathematics Learning.</i>	
Type: <i>National</i>	
<b>Workshops, Constructing meaning for ten as a unit.</b>	<b>2005 - 2005</b>
<i>Crossroads Workshop, Walsh University, North Canton, OH.</i>	
Type: <i>University</i>	
<b>Reviewer,</b>	<b>2005 - 2005</b>
<i>Reviewer for book manuscript: Effective Instruction: A Handbook of Evidence-Based Strategies.</i>	
Type: <i>National</i>	
<b>Member, School Study Council of Ohio</b>	<b>2005 - 2005</b>
<i>School Study Council of Ohio's Program Models Development Team: Secondary Mathematics: Summer.</i>	
Type: <i>State</i>	
<b>Member, Search Committee, Mathematics Department</b>	<b>2005 - 2006</b>
Type: <i>University</i>	
<b>Advisory Board,</b>	<b>2005 - present</b>
<i>Mathematics: Boğaziçi Kent Koleji, Istanbul, Turkey</i>	
Type: <i>University</i>	
<b>Member, Mission &amp; Goals Task Force</b>	<b>2005 - 2005</b>
Type: <i>University</i>	
<b>Chair, Mathematics Education Search Committee</b>	<b>2005 - 2007</b>
Type: <i>Department</i>	

<b>C&amp;I Doctoral Admissions Committee</b>	<b>2005 - 2007</b>
Type: <i>Department</i>	
<b>Member, Curriculum Committee</b>	<b>2005 - 2007</b>
Type: <i>Department</i>	
<b>Editorial Board, Fcus on Learning Problems in Mathematics</b>	<b>2005 - 2008</b>
Type: <i>International</i>	
<b>Reviewer, International Conference on Learning</b>	<b>2004 - 2004</b>
<i>International Journal of Learning</i>	
Type: <i>International</i>	
<b>Chair, Research Council on Mathematics Learning</b>	<b>2004 - 2004</b>
<i>Mathematics Education: Then, Now, and the Future: RCML Annual Conference, Oklahoma City, OK. February 19-21.</i>	
Type: <i>National</i>	
<b>Workshops, Best practices for elementary mathematics teaching and learning workshop</b>	<b>2004 - 2004</b>
<i>Bartlesville, OK.</i>	
Type: <i>State</i>	
<b>Member, Presentation at the Family Math Fare evening for Jackson Elementary School</b>	<b>2004 - 2004</b>
<i>Norman, OK</i>	
Type: <i>State</i>	
<b>Representative, Graduate Council Representative on Faculty Senate</b>	<b>2004 - 2004</b>
Type: <i>University</i>	
<b>Reviewer, Research Council on Mathematics Learning</b>	<b>2003 - present</b>
<i>Focus on Learning Problems in Mathematics</i>	
Type: <i>National</i>	
<b>Workshops, Elementary school mathematics workshop</b>	<b>2003 - 2003</b>
<i>Blanchard, OK.</i>	
Type: <i>Regional</i>	
<b>Workshops, Elementary school mathematics workshop</b>	<b>2003 - 2003</b>
<i>Cumberland, MD.</i>	
Type: <i>State</i>	
<b>Speaker, Presentation at the Family Math Fare evening for Jackson Elementary School</b>	<b>2003 - 2003</b>
<i>Norman, OK.</i>	
Type: <i>Regional</i>	

<b>Member, Graduate Council</b>	<b>2003 - 2004</b>
Type: <i>University</i>	
<b>Chair, Academic Appeals Board</b>	<b>2003 - 2003</b>
Fall 2003	
Type: <i>University</i>	
<b>Consulting, Eisenhower Elementary School</b>	<b>2002 - 2003</b>
Norman, OK	
Type: <i>State</i>	
<b>Member, The big Ideas in middle school mathematics workshop</b>	<b>2002 - 2002</b>
Blanchard, Noble and Purcell Public Schools, Blanchard, OK.	
Type: <i>Regional</i>	
<b>Member, The big Ideas in middle school mathematics workshop</b>	<b>2002 - 2002</b>
Rockdale Public Schools, Atlanta, GA.	
Type: <i>State</i>	
<b>Workshops, Elementary school mathematics workshop</b>	<b>2002 - 2002</b>
Blanchard Public Schools, Blanchard, OK.	
Type: <i>Regional</i>	
<b>Workshops, The big Ideas in middle school mathematics workshop</b>	<b>2002 - 2002</b>
Cumberland Public Schools, Cumberland, MD.	
Type: <i>Regional</i>	
<b>Workshops, Elementary school mathematics workshop</b>	<b>2002 - 2002</b>
Purcell Public Schools, Purcell, OK.	
Type: <i>Regional</i>	
<b>Consulting, Eisenhower Elementary School</b>	<b>2002 - 2003</b>
Norman, OK	
Type: <i>Regional</i>	
<b>Judge, Mathematics Curriculum Evaluator</b>	<b>2001 - 2002</b>
Jasper County School District, Ridgeland, SC	
Type: <i>Regional</i>	
<b>Workshops, Elementary school mathematics workshop</b>	<b>2001 - 2001</b>
Cumberland Public Schools, Cumberland, MD.	
Type: <i>Regional</i>	
<b>Elementary school mathematics workshop</b>	<b>2001 - 2001</b>

*Lounds County Public Schools, Valdosta, GA.*

Type: *Regional*

**Workshops, Elementary school mathematics workshop**

**2001 - 2001**

*Stillwell Public Schools, Stillwell, OK.*

Type: *Regional*

**Reviewer, Examinations for Oklahoma Educators**

**2001 - 2001**

*Passing Score Reviewer, Certification Examinations for Oklahoma Educators: Subject Area Test: Advanced Mathematics. National Evaluation Systems.*

Type: *State*

**Workshops, Elementary school mathematics workshop**

**2000 - 2000**

*Houston Public Schools, TX.*

Type: *Regional*

**Workshops, Elementary school mathematics workshop**

**2000 - 2000**

*Douglas Public Schools, Douglas, GA.*

Type: *Regional*

**Workshops, Elementary school mathematics workshop**

**2000 - 2000**

*Cumberland Public Schools, Cumberland, MD.*

Type: *Regional*

**Workshops, Middle school mathematics workshop**

**2000 - 2000**

*Houston Public Schools, TX.*

Type: *Regional*

**Advisory Board, Reseach Council on Mathematics Learning.**

**2000 - 2003**

Type: *National*

**Member, University Library Committee**

**2000 - 2003**

Type: *University*

**Member, University Academic Regulations Committee**

**2000 - 2003**

Type: *University*

**Member, Elementary Education Literacy Search Committee**

**2000 - 2001**

Type: *Department*

**Workshops, Middle school mathematics workshop**

**1999 - 1999**

*Middletown and Goshen Public Schools, Goshen, NY.*

Type: *Regional*

<b>Workshops, Middle school mathematics workshop</b> <i>Monticello Public Schools, Monticello, NY.</i> Type: <i>Regional</i>	<b>1999 - 1999</b>
<b>Workshops, Middle school mathematics workshop</b> <i>Port Huron Public Schools, Port Huron, MI.</i> Type: <i>Regional</i>	<b>1999 - 1999</b>
<b>Workshops, Middle school mathematics workshop</b> <i>Uvalde Public Schools, Uvalde, TX.</i> Type: <i>Regional</i>	<b>1999 - 1999</b>
<b>Member, Research Committee</b> Type: <i>College</i>	<b>1999 - 2002</b>
<b>Member, Scholarship Selection Committee</b> Type: <i>College</i>	<b>1999 - 1999</b>
<b>Workshops, Middle school mathematics workshop</b> <i>Norfolk and Portsmouth Public Schools, Norfolk, VA.</i> Type: <i>Regional</i>	<b>1998 - 1998</b>
<b>Co-editor, Research into Practice, Teaching Children Mathematics.</b> Type: <i>National</i>	<b>1998 - 2001</b>
<b>Member, Joint Presidential/Faculty Senate Task Force into recruitment and retention for women and minority faculty</b> Type: <i>University</i>	<b>1998 - 2000</b>
<b>Member, Graduate Faculty Committee</b> Type: <i>College</i>	<b>1998 - 2000</b>
<b>Member, Science Education Search Committee</b> Type: <i>Department</i>	<b>1998 - 2000</b>
<b>Chair, Academic Misconduct and Appeals Board</b> Type: <i>College</i>	<b>1997 - 1998</b>
<b>Chair, Mathematics Certification Committee</b> <i>Fall.</i> Type: <i>University</i>	<b>1997 - 1997</b>
<b>Chair, Graduate Faculty Committee</b>	<b>1997 - 1998</b>

Type: *College*

**Consulting, Jackson Elementary School, Norman, OK**

**1997 - 2009**

Type: *Regional*

**Advisory Board, Examinations for Oklahoma Educators**

**1997 - 1999**

*Certification Examinations for Oklahoma Educators, Oklahoma Commission for Teacher Preparation.*

Type: *State*

**Member, Environmental Concerns Committee**

**1997 - 2000**

Type: *University*

**Consulting, Jackson Public School**

**1996 - 1997**

*1st Grade teachers, Norman, OK.*

Type: *Regional*

**Consulting, Purcell Elementary School**

**1996 - 1997**

*Purcell, OK.*

Type: *Regional*

**Member, Planning Committee for the PME-NA Annual Conference**

**1996 - 1998**

Type: *National*

**Member, Goddard Health Center Committee**

**1996 - 1997**

Type: *University*

**Member, Academic Misconduct and Appeals Board**

**1996 - 1998**

Type: *College*

**Member, Committee A**

**1996 - 1998**

Type: *Department*

**Speaker, University of Oklahoma Teacher Preparation Program, Mathematics component**

**1995 - 1995**

*Presentation to the Alpha Alpha Chapter of Phi Delta Kappa, Norman, OK.*

Type: *University*

**Speaker, Teacher preparation in mathematics education, elementary and early childhood**

**1995 - 1995**

*Presentation to Clinical Instructors, University of Oklahoma, Norman, OK. July-August.*

Type: *University*

**Speaker, Jenks Public Schools Mathematics Teachers Workshop**

**1995 - 1995**

*Third grade measurement activity. Jenks, OK.*

Type: *Regional*

<b>Consulting, Highlands Elementary School, Vero Beach, FL.</b>	<b>1995 - 1991</b>
Type: <i>Regional</i>	
<b>Member, Faculty Development Committee</b>	<b>1995 - 1999</b>
Type: <i>College</i>	
<b>Member, Social Studies Search Committee</b>	<b>1995 - 1996</b>
Type: <i>Department</i>	
<b>Judge, Graduate Program Review Committee</b>	<b>1995 - 1996</b>
Type: <i>Department</i>	
<b>Reviewer, National Council of Teachers of Mathematics</b>	<b>1994 - present</b>
<i>Journal for Research in Mathematics Education, Teaching Children Mathematics, Mathematics Teaching in the Middle School.</i>	
Type: <i>National</i>	
<b>Speaker, Northern Oklahoma Science/Math Teachers' Workshop</b>	<b>1994 - 1994</b>
<i>Panca City, OK.</i>	
Type: <i>State</i>	
<b>KNOR Radio</b>	<b>1994 - 1994</b>
<i>Preparing students for the new school year. Radio interview with Larry Rhodes. Norman, OK. August.</i>	
Type: <i>Regional</i>	
<b>Consulting, Better Homes and Gardens.</b>	<b>1994 - 1994</b>
<i>Walker, Jacque. Overcoming Math Anxiety. May.</i>	
Type: <i>Regional</i>	
<b>Tamara Pratt, Channel 9</b>	<b>1994 - 1994</b>
<i>Young children's spatial development. Television interview. Oklahoma City, OK. April.</i>	
Type: <i>Regional</i>	
<b>Interview with Judith Wall,</b>	<b>1994 - 1994</b>
<i>Young children's sense of space. University of Oklahoma for press release published in a variety of national and regional newspapers and periodicals. February.</i>	
Type: <i>University</i>	
<b>Representative, Phi Delta Kappa</b>	<b>1994 - 1997</b>
<i>Research Representative for the Alpha Alpha Chapter of Phi Delta Kappa.</i>	
Type: <i>State</i>	
<b>Member, Mathematics Certification Committee</b>	<b>1993 - present</b>

Type: *University*

**Member, Elementary Education Certification Committee**

**1993 - present**

Type: *University*

**Member, Education Professions Division**

**1993 - present**

Type: *University*

**Member, Search Committee for Chair, Department of Instructional Leadership and Academic Curriculum**

**1993 - 1994**

Type: *Department*

**Workshops, Teacher education program for staff of Sun**

**1992 - 1992**

*The use of the SHAPE materials in K through 5 classrooms. FL. October 15-16.*

Type: *Regional*

**Workshops, Teacher education program**

**1992 - 1992**

*The use of the SHAPE materials in K through 5 classrooms. Highlands County, FL. June 15-19.*

Type: *Regional*

**Workshops, Teacher education program**

**1991 - 1991**

*Activities for use with students in mathematics, Grades K – 3. Bay District Schools, FL. February 18-19.*

Type: *Regional*

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## Grants

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**Co PI, Extending an established model (MIME) to develop leadership in school mathematics.**

**2008 - 2009**

*Developing mathematics content knowledge in middle school teachers.*

Collaboration with: M. Mikusa, D. White, M. Davidson, A. Reynolds, E. Soprunova, U. Vorhauer, J. Mellilo

Submitted: \$143,791.00

Status:

Awarded: \$122,310.00 (8 2009)

Ohio Department of Education - Training

**Co PI, Why Does It Work? A Study of Successful Gender Equity in Industrial Engineering at the University of Oklahoma**

**2003 - 2005**

*Program for Gender Equity.*

Collaboration with: PI: Terri J. Murphy and Co PIs: Jayne Fleener, Betty Harris, Teri Reed Rhoads, and Randa Shehab

Awarded: \$899,562.00

National Science Foundation

**Co PI, GK-12: Adventure Engineering: An inquiry learning, design driven approach to middle school science and mathematics education.**

**2001 - 2004**

Collaboration with: Dr. Mike Mooney, Engineering, and Dr. Ed Marek, Science Education

Awarded: \$1,100,000.00

National Science Foundation



**Recipient, Junior Faculty Research Fellowship Award**

**1997 - 1997**

Awarded: \$6,000.00

University of Oklahoma

**Recipient, Junior Faculty Research Fellowship Award**

**1995 - 1995**

Awarded: \$6,000.00

University of Oklahoma