

THOMAS, CYNTHIA S.

Permanent Address

3501 Antelope Lane
Great Falls, MT 59404

406.866.0739

cynthiasthomas@hotmail.com

Current Address

Flat #2 Inca Residence
University of Pretoria – Groenkloof Campus
Pretoria, Gauteng, South Africa 0002

(406) 205-4351 (via Skype)
+27 76 809 1281 (SA cell)

EDUCATION:

- Ed.D., Montana State University, Bozeman, Montana, 2000, Curriculum and Instruction
Concentration: Mathematics Education
- M.Ed., Montana State University, Bozeman, Montana, 1987, Curriculum and Instruction
Concentration: Educational Technology
- B.A., Eastern Montana College, Billings, Montana, 1971, Elementary Education
Concentration: Mathematics Education

TEACHING EXPERIENCE:

- 2011 – present Mathematics lecturer, University of Pretoria
Taught
 - Pre-Calculus
 - Beginning Statistics
- 2010-Spring 2011 Mathematics, University of Great Falls
Taught core math classes
 - Essential Math Skills
 - Introduction to Algebra
 - Elementary Statistics
 - Succeeding at UGF – developed and taught
- 2008-Summer 2009 Mathematics Instructor, Truckee Meadows Community College
Taught developmental mathematics courses
 - Basic Mathematics,
 - Pre-Algebra,
 - Basic Algebra,
 - Intermediate Algebra.
- 2006-07 Research Faculty, University of Idaho,
Taught (online)
 - Number and Operation for Teachers (Graduate level)
 - Shape and Measurement for Teachers (Graduate level)
- 2005-07 Partnership Director, Gateway to Mathematics, WSU/UI
- 2005-06 Project Director, Partnerships in Inquiry, WSU/WACTE
- 2004-05. Coordinator, Master's in Teaching
- 2002-July 2005, Assistant Professor of Mathematics Education, Department of
Teaching and Learning, Washington State University
Taught:
 - Mathematics for Elementary Teachers (undergraduate and graduate)
 - Assessment for Education
- 2000-02, Assistant Professor of Mathematics Education, Department of Mathematical
Sciences, Ball State University

Taught:
 Mathematics for Elementary Teachers
 Technology and Mathematics
 Number, Algebra, and Probability for the Elementary Teacher
 Data Analysis, Geometry and Measurement for the Elementary Teacher
 Intermediate Algebra

1999-2000, Graduate Teaching Assistant, Department of Education, Montana State University
 Taught:
 Teaching Mathematics
 Graduate Assistant for Educational Statistics I and II

1997-99, Graduate Teaching Assistant, Department of Mathematical Sciences Montana State University
 Taught:
 Mathematics for Elementary Teachers I and II
 Educational Statistics I

1995-97 Junior High School, School District No 1 Lewistown, Montana
 Taught:
 Eighth Grade Math
 Eighth Grade Computer Applications
 Chapter 1

1974-95, Elementary School, School District No 1 Lewistown, Montana
 Taught:
 Fourth Grade - self contained
 Fifth Grade - self contained
 Sixth Grade - self contained
 Fourth – Eighth Gifted and Talented

1971-74, Elementary School, School District No 13, Brooks, Montana
 Taught:
 Fourth-eighth grades – combined classroom

WORKSHOPS/INSERVICE:

Mathematics and Writing. Mathematics and English Creative Workshop 2011, Nov. 23, 2011. Pretoria Boys School, Pretoria, Gauteng, South Africa.

Using Tinkerplots Models. GFPS Summer Mathematics Institute. Aug. 17-19, 2010. Great Falls, MT

Using Technology in a Math Class. TinkerPlots for the Middle School and High School. Montana Institute of Technology Education, June 16, 2010. Montana State University – Great Falls, Great Falls, MT

Using Technology in a Math Class. TinkerPlots for the Elementary. Montana Institute of Technology Education, June 16, 2010. Montana State University – Great Falls, Great Falls, MT

Irresistible Mathematics! Northern Nevada Math Council Annual Workshop, Feb. 2, 2008 Reno, NV

Calculators for the Alternative Student. Coeur d’Alene 7-12 Project School, Coeur d’Alene, ID, May 4, 2007.

Increasing Mathematics Achievement Grades K-12. Kellogg School District, Kellogg, ID. Aug 20, and Nov 6-7, 2007; Jan 24-25, Mar 19-20, and May 19-20, 2008.

Mathematics Improvement for Grades K-12. Boundary County School District, Bonners Ferry, ID. Oct 1-2 and Nov 12-14, 2007; Feb 12-13 and Mar 17-18, 2008.

Coeur d'Alene Mathematics Project and North Idaho Math Project. Coeur d'Alene, Post Falls, Sandpoint, and Bonners Ferry, Idaho. Oct 23-27, Nov 6-7 and 13-15, Dec 4-8, 2006; Jan 29-Feb 2, Feb 26-Mar 2, Mar 19-23, Apr 30-May 3, 2007.

Standards-Based Mathematics for Grades 6-8. Cape Flattery School District, Seiku, WA. Oct 17-18, and Dec 12-13, 2006; Jan 16-17, Feb 20-21, 2007.

Exploring Data with TinkerPlots. Magnolia School District, Magnolia AR Jun 3-4 2005; McAllen School District, McAllen TX Jun 1-2, 2006; Loudoun County School District, Leesburg, VA Aug 28-29 2006; Andover School district, Andover Kansas Oct, 20, 2006; State of Virginia Implementation Project, Richmond, VA Nov 4, 2006; Pembroke, GA Sept. 24, 2007; Fort Worth, TX June 15, 2009.

The Geometer's Sketchpad in the Classroom. Bethel School District, Graham WA Oct 13, 2006; Ohio Valley University, Vienna W VA Nov 3, 2006; Hoosick Falls, New York Dec 1, 2006; Los Angeles, CA June 7-8, 2007; Sandpoint, ID Oct 1, 2009.

Discovering Data with Fathom. Loudoun County School District, Leesburg, VA Aug 28-29 2006; Bethel School District, Graham, WA Oct 13, 2006.

Idaho Math Academy, Moscow, ID. Jul 31-Aug 4, 2006.

Geometry, Measurement, Probability and Statistics. North Idaho Math Science Project. Jun 19-23 and Jul 24-28, 2006

Probability and Statistics. Coeur d'Alene Title IIB Project. Jun 26-30, 2006

Standards-Based Mathematics for Grades K-8. Cape Flattery School District, Seiku, WA. Oct 19-20, Nov 16-17 2005; Jan 18-19, Feb 14-15, Mar 15-16, and May 17-18 2006.

Idaho Mathematics Academy, Boise, ID. Aug 1-5, 2005

Number and Operation. North Idaho Math Science Project. Sandpoint, ID. Jul 18-22 and Aug 15-19, 2005

Geometry and Measurement, Coeur d'Alene Title IIB Project. Jun 20-24, and Aug 8-12, 2005.

Geometry in Montana. Montana Council of Teachers of Mathematics. Canyon Ferry, MT. Jun 28-Jul 1, 2004.

RoboCamp: Lego Robotics for Children in Grades 3-5. Palouse Discovery Science Center. Pullman, WA. Jun 14-18, 2004.

RoboCamp: Lego Robotics for Children in Grades 6-8. Palouse Discovery Science Center. Pullman, WA. Jun 21-25, 2004.

Calculators in the 4-8 Classroom, CoTEACH Summer Session Jun 23-25, 2003. Washington State University

Calculators in the K-3 Classroom, CoTEACH Summer Session Jun 23-25, 2003. Washington State University

PS I Love You, Problem Solving That Is. CoTEACH Summer Session Jun 23-25, 2003. Washington State University

Idaho Mathematics Academy. Pocatello, ID. Aug 2-6, 2004

Number and Operation. Coeur d'Alene Title IIB Project. Aug 9-20, 2004.

Literature in the Mathematics Classroom, Laramie County Schools, Cheyenne Wyoming. Sept 2002

Accomplishing Indiana's Middle School Mathematics Standards AI(MS)² Ball State University, Muncie, Indiana. Jun 10-14, 2002

Number Sense and Algebra for grades 4-5. Monthly in-service. Indianapolis Public Schools 2001-2002.

Number Sense and Algebra for grades 6-8. Monthly in-service. Indianapolis Public Schools 2000-2001.

Probability and statistics for grades 5-8: A necessity, not a choice. Probability & Statistics Workshop, Montana State University, Bozeman, MT. Aug 3-7, 1998

PUBLICATIONS

Refereed papers:

Thomas, D., Boisen, M., Thomas, C., Johnson, T., Li, Z., Windley, A., (2005). Gateway to Mathematics. *Proceedings of E-Learn 2005*, Vancouver BC, Oct 25-28, pp. 2424 – 2429.

Thomas, C. (2003) Top Ten Things I Wish I Had Known When I Started Teaching. . In Chappell, M., Chopin, J., & Salls, J. (Eds). *Searching for Solutions: A Guide for Empowering the Beginning Teacher of Mathematics*. Reston, VA: NCTM

Thomas, D. and Emert, J., and Thomas, C. (2002). Geometry in space. *Learning and leading with technology*, Sept 2002.

Thomas, C. (2002) Data analysis knowledge among preservice elementary education teachers. Refereed *Proceedings of the sixth international conference on teaching statistics*, Cape Town, South Africa, Jul 7-12, 2002.

Thomas, C., Thomas, D., and Wallace, M. (2002). Finding infinity in a snowflake. *Learning and leading with technology*, Apr 2002.

Thomas, C. (2000). One hundred activities for the 100th day. *Teaching Children Mathematics*. 6 (5), 276-280.

Thomas, C. (1999). Mathematicians come alive: Reading and writing about the past. *Montana State Reading Journal*, 15 (2), 13-15.

Thomas, C. S. (1999). Teaching statistical graphs to preservice elementary education teachers. *MSET '99 Proceedings of the 1999 International Conference on Mathematics/Science Education and Technology* San Antonio, TX, 1-4 Mar, 366-371.

Thomas, D. A., Thomas, C. S. & Beaudrie, B. (1999). On-line science activities from the Network Montana Project and the NASA Ceres Project. *MSET '99 Proceedings of the 1999 International Conference on Mathematics/Science Education and Technology*, San Antonio, TX, 1-4 Mar, 549-554.

Thomas, D., Churchill, L., & Thomas, C. (1998). Lessons learned from the Network Montana Project. *INET '98 Proceedings of the 1998 meeting of the Internet Society*. Geneva, Switzerland, 21-24 Jul, 1998.

Thomas, D. & Thomas, C. Meet Me in Montana: Internet-based Research and Development. *Proceedings of the AGENE 7th Annual Conference*, Kyoto, Japan 13-14 Dec, 1997.

Thomas, D. & Thomas, C. Using Internet-based K-12 Classroom Activities: Materials & Staff Development. *INET '97 Proceedings of the 1997 meeting of the Internet Society*. Kuala Lumpur, Malaysia, 24-27 Jun, 1997.

Other:

Thomas, C. (2000, Oct). A Collection of Problem Solving Activities for You ... and Your Whole School! *SEPA Newsletter*, 10(2), 5.

Billstein, R., Erickson, D., Hodgson, T., Lott, J., Souhrada, T., & Thomas, C. (Eds.) (1998). Algebra: A Strand PreK-12. Montana Algebra Symposium. Montana Council of Teachers of Mathematics.

Allinger, G., Andersen, L., Thomas, C., Nelson, K., & Hess, A. (1999). Mathematics Project Handbook, 4th Edition. National Council of Teachers of Mathematics: Reston, VA.

Baumann, C. S. Hexiamonds, *The Montana Mathematics Teacher*, Winter 1990

Baumann, C.S. Probability, The Washington Journal, Spring 1994

PRESENTATIONS

- Discovery 101. Conference on Mathematics Education. National Center for Mathematics and Physics, King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia, May 16, 2007. With D. Thomas
- Developing, delivering, and researching web-based mathematics and mathematics education courses. Conference on Mathematics Education. National Center for Mathematics and Physics, King Abdulaziz City for Science and Technology, Riyadh, Saudi Arabia, May 16, 2007. With D. Thomas
- Discovering Mathematics: Discovering the Excitement with Technology! Bethel School District, Spanaway, WA. Oct 12, 2007.
- A Perfect Pair - Data Analysis & Technology! Northern Nevada Mathematics Council annual conference. Sparks, NV, Oct 6-7, 2007
- Dozen Day, 12 Days of Christmas, and the 100th Day of School: Great days for math in your classroom. Northern Nevada Mathematics Council annual conference. Sparks, NV, Oct 6-7, 2007
- The Gateway to Mathematics Project: Bringing Web-based University Mathematics to Your High School. Idaho School Board Association Annual Meeting. Boise, ID, Nov 8-11, 2006.
- Gateway to Mathematics Exhibit. Idaho Legislative Breakfast. Boise, ID, Jan 25, 2006.
- Gateway to Mathematics: Dual Enrollment Calculus for Idaho. Idaho Council of Teachers of Mathematics Annual Meeting. Moscow, ID. Oct 6, 2005.
- Hurray for History! Mathematicians' Lives come to Life! National Council of Teachers of Mathematics Annual Meeting. Anaheim, CA 7-9 Apr 2005
- Geometric Modeling of Algebraic Ideas. National Council of Teachers of Mathematics Annual Meeting. Anaheim, CA 7-9 Apr 2005. Presented with D. Thomas
- Coeur d'Alene Mathematics Project Overview, Reno MSP Evaluation Workshop, Reno, NV, Mar 14 & 15, 2005.
- Teaching Algebra Concepts with Technology. NCTM Annual Meeting. Anaheim, CA, Apr 1 – 6, 2005.
- The Night Before Christmas. Jefferson Elementary School, Rena Mincks' 1st grade. Pullman, WA.
- Children's Books CAN Help Your Child with Mathematics! Cougar Conversations. Pullman, WA. 9 Oct 2004
- Geometry in Space, NCCE Conference, Spokane, WA, Apr 15, 2004
- Using modeling and web-based communication technologies to motivate and support mathematical dialogue, International Congress of Mathematics Education, Copenhagen, Denmark, Jul 5-10, 2004.
- Lessons learned: Fostering a pedagogic frame of reference for the use of mathematical modeling technologies. 10th International Congress on Mathematical Education, Copenhagen, Denmark. 4-11 Jul 2004.
- Navigating through Probability in Grades 6-8 National Council of Teachers of Mathematics Annual Meeting, Philadelphia, PA. 21-24 Apr, 2004. Presented with J. Tarr
- Multicultural Mathematics Children of Atzlan Sharing Higher Education. Pullman, WA 17 Oct 2003.
- Handheld Geometry. Idaho Council of Teachers of Mathematics Annual Meeting. Boise, ID. Oct2, 2003.

P.S. I Love You – Problem Solving, That Is! CO-TEACH Summer Institute, Pullman, WA Jun 25-26, 2003

Hooray for Calculators in the Classroom! (Grades K-3) CO-TEACH Summer Institute, Pullman, WA Jun 25-26, 200

Enhance Mathematics Understanding through Technology Projects. National Council of Teachers of Mathematics Annual Meeting. San Antonio, TX Apr 9-12, 2003

AI(MS) : Accomplishing Indiana Middle School Mathematics Standards. National Council of Teachers of Mathematics Central Regional Conference. Indianapolis, Indiana 23-25 Jan, 2003

Navigating through *Principles and Standards*: Activities from the Grades 6-8 Navigations Books. National Council of Teachers of Mathematics Central Regional Conference. Indianapolis, Indiana 23-25 Jan, 2003

Folding Circles + Strips of Paper = Handheld Geometry. National Council of Teachers of Mathematics Central Regional Conference. Indianapolis, Indiana 23-25 Jan, 2003

Triangles, Snowflakes, and Kids. National Council of Teachers of Mathematics 80th Annual Meeting, Las Vegas, NV. 21-24 Apr, 2002.

Data and Probability for Middle Grades: Activities from the Navigations Books. National Council of Teachers of Mathematics 80th Annual Meeting. Las Vegas, NV. 21-24 Apr, 2002. With James Tarr.

Is Math Really Magic? Kids Think So!. Indiana Council of Teachers of Mathematics Annual Conference, Indianapolis, IN 18-19 Nov, 2001.

Mathematicians Come to School! National Council of Teachers of Mathematics Regional Conference, Columbus, OH. 20-22 Sept 2001.

Harry Potter and Math. National Council of Teachers of Mathematics Regional Conference, Laramie, WY. 8-10 Aug, 2001

Mathematicians Come to School as part of presentation of Council of Presidential Awardees in Mathematics at the National Council of Teachers of Mathematics Annual Conference, Orlando Florida Apr 2001

Teacher-to-teacher: Muncie-to-Moscow: A cross cultural dialogue between U.S. and Russian teachers and students (Invited). The World Bank Education Reform Project Conference. Moscow, Russia, Oct 13, 2000.

Harry Potter Does Math. Indiana Council of Teachers of Mathematics, Indianapolis, IN. 5-6 Oct 2000

Teaching Multiplication and Division with Manipulatives. National Council of Teachers of Mathematics Western Regional Conference, Phoenix, AR. 2-4 Dec 1999.

Statistics for Middle Grades: No Longer an Option. National Council of Teachers of Mathematics Western Regional Conference. Boise, ID 7-9 Oct 1999.

Mathematicians Come to School. Montana Council of Teachers of Mathematics Annual Conference, Missoula, MT 21-22 Oct, 1999

Harry Potter and Mathematics. Montana Council of Teachers of Mathematics Annual Conference, Missoula, MT 21-22 Oct. 1999.

Teaching Statistics with the TI-73. International conference on Mathematics /Science Education and Technology, San Antonio, TX. 2-4 Mar 1999.

On-line science activities from the Network Montana Project and the NASA Ceres Project. International Conference on Mathematics/Science Education and Technology San Antonio, TX, 1-4 Mar 1999. Presented with Thomas, D and Beaudrie, B.

Math projects: From Small Beginnings to National Competitions: National Council of Teachers of Mathematics Annual Meeting, San Francisco, CA 22-24Apr, 1999. Presented with Andersen, L. and Nelson, K.

12 Days of Christmas and 100th Day of School: Montana Council of Teachers of Mathematics Annual Conference, Great Falls, MT 15-16 Oct, 1998.

TI-73! The Best of the Explorer Plus with Graphing: Montana Council of Teachers of Mathematics Annual Conference, Great Falls, MT 15-16 Oct, 1998

The Internet as an information resource. K-12 Workshop, Annual meeting of the Internet Society (INET '98): Geneva, Switzerland, 21-24 Jul, 1998. Presented with Thomas, D. and Hurst, L.

Lessons learned from the Network Montana Project. Annual meeting of the Internet Society (INET '98): Geneva, Switzerland, 21-24 Jul, 1998. Presented with Thomas, D. and Churchill, L.

Probability Procedures - Positively Phenomenal grades 6-8 National Council of Teachers of Mathematics Annual Meeting. Washington, DC Apr 2-4, 1998

Using the Internet in an Elementary Classroom. *AGENE 7th annual conference*, Kyoto, Japan, Dec 13-14, 1997.

Interfacing the Education Department With the Content Departments in Order to Improve Teacher Education Programs: Montana conference on Improving Undergraduate Education. Big Sky, Montana 9-10 Sept, 1997.

Using Internet-based K-12 Classroom Activities: Materials & Staff Development Annual Meeting of the Internet Society (INET '97): Kuala Lumpur, Malaysia, 24-27 Jun, 1997.

Educational Uses of the World Wide Web. Annual Meeting of the Internet Society (INET '97): Kuala Lumpur, Malaysia, 24-27 Jun, 1997.

Other:

Providing Professional Development About the Internet Via the Internet. Annual Meeting of the Internet Society (INET '97): Annual meeting of the Internet Society. Kuala Lumpur, Malaysia, 24-27 Jun, 1997.

Using Internet Resources in Your Classroom: Northwest Council of Computers in Education Conference. Portland, Oregon 26-28 Mar, 1997

Internet in the Classroom: Tested Ideas and Useable Addresses: National Council of Teachers of Mathematics Western Regional Conference. Salt Lake City 20-22 Feb, 1997

Probability - Probably the Most Interesting Unit to Teach: National Council of Teachers of Mathematics Western Regional Conference. Salt Lake City 20-22 Feb, 1997

Power Patterning! Discover Tessellations for Your Classroom: National Council of Teachers of Mathematics Canadian Regional Conference. Montreal, Ontario, Canada 22-23 Aug 1992

Probability: The Odds are High that You will Love Teaching This Unit: National Council of Teachers of Mathematics annual meeting. Nashville, Tennessee 1-4 Apr, 1992

Probability Can be Taught in Grades 4-6: National Council of Teachers of Mathematics Annual Meeting. Orlando, Florida 12-15 Apr 1989

Probability Can be Taught in Grades 4-8: Tested Ideas for the Classroom: National Council of Teachers of Mathematics Central Regional Conference. Denver, Colorado 19-21 Oct 1989

Problem Solving, Classroom Tested Ideas That Work!: National Council of Teachers of Mathematics Western Regional Conference. Helena, MT Mar 1989

We Can Help Children Become Better Estimators: National Council of Teachers of Mathematics Annual Meeting. Chicago, Illinois 6-9 Apr 1988
Problem Solving, A Plan for Your Classroom: National Council of Teachers of Mathematics Western Regional Conference. Great Falls, MT Apr 1982
Problem Solving, The Way into the 80's!: National Council of Teachers of Mathematics Western Regional Conference. Spokane, WA Oct 1980

GRANTS AND CONTRACTS AWARDED:

Northern Nevada Mathematics Initiative (2009-2011) \$20,000. State of Nevada Math Science Partnership. with David A. Thomas
Coeur d'Alene Mathematics Project (2004-2007) \$500,000 State of Idaho Math Science Partnership. with David A. Thomas
Gateway to Mathematics (2005-2007) \$694,000 Congressional Appropriation with David A. Thomas and Monte Boisen
New Generation Explorers (2003) Toyota Foundation \$217,700. with David A Thomas, Paul Allen, John Paznokas, Lynda Paznokas.
Accomplishing Indiana's Middle School Mathematics Standards AI(MS)², (2002-2003) Eisenhower Professional Development Program \$100,000 (total project \$168,413). with Sheryl Stump
Algebra For Indiana, (2001) Indiana Department of Education \$40,000 with Sheryl Stump.
Improving Mathematics Teaching Grades 4-5 (2001-2002) Indianapolis Public Schools Professional Development Training \$8,420
Improving Mathematics Teaching Grades 6-8, (2000-2001) Indianapolis Public Schools Professional Development Training \$6,500
Calculators for University Mathematics Education Courses (2001) Ohio State University - OSU Short Course Program for Mathematics Teachers \$1,000
Probability and statistics for grades 5-8: A necessity, not a choice, Eisenhower Professional Development Program \$90,000 Jan 1998 with Dr. Linda Simonsen and Karma Nelson.

SERVICE:

Elementary Education Committee Department of Teaching and Learning 2002-05, Chairman 2003-2004
Professional Education Advisory Board (PEAB) 2003-05, Chairman 2004-05
Student Affairs Intervention committees 2002-05
Professional Certification Program (PCP) Advisory Committee. 2003
algebra'scool by BestQuest Teaching Systems, content reviewer
Search committee for Project Coordinator and Program Developer for Center for Educational Partnerships College of Education 2003
Advisory Board for Illuminations website. National Council of Teachers of Mathematics 2001-2003
Unit Assessment System for Teacher's College at Ball State University 2001-2002
Task Force on Teaching Improvement and Evaluation (TIE). for Department of Education, Health and Human Development, Montana State University. Sept 1999 - May 2000.
Member - Algebra Symposium writing team. University of Montana, Feb 26-28, 1998.
Chair, Mathematics K-12 Curriculum Committee, Lewistown Public Schools, Lewistown, MT 1988-1997.
Systemic Teacher Excellence Preparation (STEP) 1995-2000. Chosen as one of 20 teachers to mentor novice k-12 teachers in Science and Mathematics.

Earth Systems Science Project of Network Montana 1995-1997. Member of advanced team to write lessons to be used interactively with Internet access.

Science and Mathematics Consortium for Northwest Schools TASME Institute 1996. Chosen as one of six teachers from Montana to participate in five-state regional institute to write Internet interactive lessons in Math and Science.

Systemic Initiative for Montana Mathematics and Science (SIMMS) 1990-1996. Only elementary teacher on steering committee for \$9.9 million National Science Foundation grant.

Montana Mathematics and Science Society 1995-1998. Treasurer of the Board of Directors of the first ever joint statewide Math and Science professional organization.

Reach for the Sky 1994-96. Lead teacher in math/science telecommunication project to focus on telecollaboration among classroom teachers and mentors in the Northwest United States.

Excellence for Montana Mathematics Education (EMME) 1986-87. Leadership project with a focus on activity-oriented methods and new concepts in the process of teaching mathematics.

Project Excellence (1988). Drafted new k-12 Mathematics Accreditation Standards as part of Math Action Team for State of Montana. Also implemented Montana Accreditation Standards as only elementary teacher on team.

Women and Mathematics 1986-1991. National Coordinator for Montana.

National Science Foundation - Reviewed national grant proposals 1991, 1992.

Human Resources Media 1992-93. Consultant for interactive videos for elementary and junior high.

COMMUNITY SERVICE

Member – Board of Directors, Palouse Habitat for Humanity 2002-2007

Mathematics consultant – Girl Scouts of Waphani Council, Inc. Delaware County, Indiana

Speaker for Science Spectrum at Minnetrista Cultural Center, Muncie Indiana Apr 2002

Summer Adventure Camp and Computer Camp. Co-Founder & co-administrator of summer city-wide program for children 1990-1995

Fergus County Federal Credit Union Board of Directors 1991-1997. Chairman of the Board of Directors 1993-1997

Lewistown Art Center Board of Directors 1983 - 1986, President of the Board of Directors 1988 - 1992

EDITORSHIPS, REVIEW PANELS

Referee and reviewer for *Mathematics Teaching in the Middle School*, publication of the National Council of Teachers of Mathematics, 1998-2005.

Referee and reviewer for *School Science and Mathematics*, publication of the School Science and Mathematics Association

FELLOWSHIPS

National Computational Science Institute 2003-present

Project NexT-IN: New Experiences in Teaching 2000

MEMBERSHIP IN PROFESSIONAL AND HONORARY SOCIETIES

Northern Nevada Council of Teachers of Mathematics 2007-2011

Idaho Council of Teachers of Mathematics 2002- 2007
Indiana Council of Teachers of Mathematics 2000- 2003
Montana Council of Teachers of Mathematics 1975-present, Board of Directors 1976-1980,
Membership Chairman 1977-1984
National Council of Teachers of Mathematics 1985-present
Mathematical Association of America 1997-2002

RECOGNITIONS

Who's Who in American Education 1992, 1993, 1995
Who's Who Among America's Teachers 1992
World's Who's Who of Women 1993
Pi Beta Phi Outstanding Professor 2000

AWARDS

National

Presidential Award for Excellence in Science and Mathematics Teaching 1990

Statewide

Montana Presidential Award for Excellence in Science and Mathematics Teaching, 1990
Exceptional Contribution Alumni Award - Eastern Montana College 1993