

Laura J. Pyzdrowski

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Educational Background

- 1996 Ed.D. in Curriculum and Instruction with a minor in mathematics, West Virginia University, Morgantown, West Virginia. 3.9/4.0
Dissertation Topic: Computers, Cooperation, Communication, and Critical Thinking Skills
- 1997 M.S. in Pure Mathematics, West Virginia University, Morgantown, West Virginia. 3.5/4.0
The degree requirements included 30 hours of mathematics and the passing of comprehensive exams in analysis, algebra, and topology.
- 1987 M.A. in Secondary Mathematics Education, West Virginia University, Morgantown, West Virginia. 4.0/4.0
- 1981 B.A. in Liberal Arts, West Virginia University, Morgantown, West Virginia. 3.5/4.0, Cum Laude

Work Experience

Full-time

- 2001- Present Professor (2011) and Pre-Collegiate Mathematics Coordinator, Mathematics Department, West Virginia University, Morgantown, West Virginia; Regular member of graduate faculty; Responsibilities of the position include: fermenting ties with neighboring school districts, seeking external or internal funding for collaborative efforts, and teaching mathematics courses targeted toward education students. Coordinator of Mathematics Courses for pre-service teachers. Graduate advisor for mathematics education majors and undergraduate advisor for mathematics majors, Co-Coordinator of College Algebra & Pre-Calculus and Director of the WvEB Math Project for High School Students. Graduate Faculty Status due for renewal in January 2015
- 1998-2000 Clinical Assistant Professor and Pre-Collegiate Mathematics Coordinator, Mathematics Department, West Virginia University, Morgantown, West Virginia; Associate member of graduate faculty, Responsibilities of the position include: fermenting ties with neighboring school districts, seeking external or internal

funding for collaborative efforts, and teaching mathematics courses targeted toward education students. Graduate advisor for mathematics education majors.

1995-1998 Visiting Instructor for Mathematics Department, West Virginia University, Morgantown, West Virginia; Instructed courses in college algebra, computer algebra with laboratories, precalculus, calculus, three sequenced courses of mathematics for elementary education majors, and served as instructor of three-week graduate computer based summer institute for inservice secondary mathematics educators. Served as an assistant in computer calculus courses and laboratories. Graduate advisor for mathematics education majors.

1987-1991 Professional Education Advisor, College of Human Resources and Education, West Virginia University, Morgantown, West Virginia; Full-time advisor in the Department of Education; Advised undergraduate education majors, maintained student files, and performed student teaching and teacher certification checks.

Part-time

1998- 2000 Mathematics Lecturer, California University of Pennsylvania; Instructed courses in intermediate algebra, college algebra and calculus

1997 Mathematics Lecturer, The Pennsylvania State University - Fayette Campus; Instructed courses in intermediate algebra and general view math.

1991-1995 Lecturer for Mathematics Department, West Virginia University, Morgantown, West Virginia; Instructed courses in college algebra, computer algebra with laboratories, precalculus, two sequenced courses of mathematics for elementary education majors, and served as instructor of three week computer based summer institute for inservice secondary mathematics educators. Served as an assistant in computer calculus courses and laboratories.

1993 Lecturer for Curriculum and Instruction Department, West Virginia University, Morgantown, West Virginia; Taught course in elementary mathematics teaching methods.

1992-1995 Professional Education Advisor, College of Human Resources and Education, West Virginia University, Morgantown, West Virginia; Organized office duties for three academic advisors, a graduate assistant and work studies, coordinated and taught education orientation course for all new undergraduate education majors, advised undergraduate education majors, maintained computerized student files, and performed student teaching and teacher certification checks. Designated honors advisor.

1989-1992 Remedial Algebra II instructor for Morgantown Technical Education Center, Morgantown, West Virginia; The course, taught on the West Virginia University Campus, prepares students for College Algebra.

- 1986-1995 Dance Instructor for the Wright Dance Studio, Morgantown, West Virginia; Taught pre-school through high school students tap, jazz, acrobatics, and ballet technique.
- 1984-1987 Graduate Assistant for Professional Education Advising Office, College of Human Resources and Education, West Virginia University, Morgantown, West Virginia; Part-time advisor in the Department of Education; Maintained student files and advised undergraduate education majors.
- 1977-1984 Dance Instructor for the Beth Barns Dance Studio, Morgantown, West Virginia; Taught pre-school through adults tap, jazz, acrobatics, and ballet technique.

Awards and Honors

Nominated for Russell and Ruth Bolton WVU Professorship for Outstanding Teaching Fall 2011

2007-2008 Eberly College Outstanding Public Service Award

“The Chair” - Most distinguished service award from the West Virginia Council of Teachers of Mathematics, 2007

One of Three Finalists for the Eberly College Outstanding Public Service Award - 2006 -2007

Ranked as 14th of “100 Most Influential” by the Dominion Post, Morgantown, 2005

Teacher of the Year - College Level, West Virginia Council of Teachers of Mathematics, 2004

West Virginia University Certificate of Appreciation for outstanding service and contributions to the Center for Black Culture and Research, May 14, 1994.

Pi Mu Epsilon - Inducted into National Honorary Mathematics Society, 1991

Certification Status

Secondary Mathematics in Pennsylvania. (current)

Secondary Mathematics in West Virginia. (current)

Adult Basic Education in West Virginia. (1989-1994)

Performing Arts - Dance Educators of America. (1977-1992)

CITI Collaborative Institutional Training Initiative Social & Behavioral Research Investigators:
Refresher Course Passed on 01/25/11 (Ref # 5213984) on 12/14/2011

Selected Workshops and Training Sessions Attended

University Faculty Workshops on Word Perfect, Power Point, Excel, HTML, Online Instructional Materials and WEBCT

Institute for Academic Technology - Windows' Tools for Math Labs and Interactive Texts - Summer, 1992. Durham, North Carolina

Mathematics Education Reform Workshop on Calculus Reform - Summer, 1993. Ann Arbor, Michigan

Teaching Contemporary Mathematics - North Carolina School of Science and Mathematics Workshop - Spring, 1994. Durham, North Carolina

National Council of Teachers of Mathematics - National Meeting - Spring 1998. Washington, D.C.

The Consortium for Mathematics and its Applications, COMAP, Second Annual Leadership Training Institute - Summer 1998. Boston, Massachusetts

The Eleventh Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 1998 . New Orleans, LA

National Council of Teachers of Mathematics - Eastern Regional Meeting - Fall 1999. Pittsburgh, PA

Grant Writers Day Seminar - Fall, 1999. Morgantown, WV

The Twelfth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 1999 . San Francisco, CA

WV IMPACT (Implementing Model Practices to Assure Competent Teachers) 2-day Symposium - Fall 1999. Charleston, WV

Casio Graphing Calculator Workshops - Fayette Institute of Commerce and Technology - Fall 1996- Spring 2001 Uniontown, Pennsylvania

National Council of Teachers of Mathematics - National Meeting - Spring 2000. Chicago, IL.

The Thirteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 2000. Atlanta, GA

NCATE Accreditation Workshop - Spring 2001. Washington DC

Precalculus Summit - Summer 2001. Sonoma, CA (Invited Guest)

Curriculum Refinement Evaluation and Assessment Workshops - Summer 2001. Charleston, WV

Teaching Mathematics with Online Materials - Summer 2001. Duke University Chatauqua Course, Durham NC.

The Fourteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 2001. Baltimore, Maryland

National Council of Teachers of Mathematics - National Meeting - Spring 2002. Las Vegas, NV.

National Council of Supervisors of Mathematics - National Meeting - Spring 2002. Las Vegas, NV.

The Fifteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 2002. Orlando, Florida

Project PREP, Accepted as one of 25 participants in the NSF/MAA Sponsored 2-week workshop for mathematicians and mathematics educators in preservice middle/secondary school curriculum development, Summers 2002 and 2003, Potsdam, NY.

NSF Project MERIT professional development week-long, three-day and day workshops - Fall 2000 - Fall 2004. Charleston, Morgantown, and various locations throughout West Virginia

The Sixteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 2003. Chicago, Illinois

Annual Higher Education Symposium for Mathematics Education in West Virginia - Spring 1999 - Spring 2004. Various locations throughout West Virginia

West Virginia Council of Teachers of Mathematics: Annual State Meetings, Spring 2001 - Spring 2004, Flatwoods, WV

MERIT Leader Spring Conference: Guest Presenter John Strebe. Spring 2004, Flatwoods, WV

National Council of Teachers of Mathematics,- National Meeting and Research Pre-session - Spring 2004. Philadelphia, PA

National Council of Supervisors of Mathematics - National Meeting - Spring 2004. Philadelphia, PA

Show-Me Researchers' Workshop - University of Missouri, Columbia - May 17-20, 2004

WVU Conference on Quality Teacher Preparation: by leaders from the National Commission on Teaching and America's Future. October, 2004. Morgantown, WV

MERIT Leader Fall Conference: Guest Presenter Dr. Barbara Reys, Director Show-ME Center University of Missouri. October, 2004. Weston, WV

The Seventeenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Fall 2004. New Orleans, LA

International Conference on Statistics, Mathematics and Related Fields, Honolulu, HI, January 2005

Math Science Partnership Program Grant Writing Technical Assistance Workshops 4-days, Spring 2005

2005 Pre-Calculus Summit in Cancun, Mexico, May 2005 (Invited Participant)

Grant Writers Day Seminar - Fall with Stephen Russell (www.grantcentral.com) , 2005.
Morgantown, WV

Dynamic Classroom Assessment, training by author George Bright, WV Math Leadership Meeting, December, 2005.

International Conference on Statistics, Mathematics and Related Fields, Honolulu, HI, January 2006

Assessment Workshop on Assessing and Improving Student Learning in General Education with Barbara Walvoord, January 2006, Morgantown, WV

The Eighteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Spring, 2006, Orlando, FL

Math Science Partnership Program Grant Writing Technical Assistance Workshops 2-days, Spring 2006, Charleston West Virginia

National Conference of Supervisors of Mathematics Annual Conference, April 2006, St. Louis, Missouri

Lenses on Learning Training to provide professional development for Administrators to assess the teaching of mathematics with Debbie Seldomridge, July 2006, Charleston, WV

NCATE Compiler Report Training - WebCast from NCTM, November 15, 2006

International Conference on Education, Honolulu, HI, January 2007

West Virginia Higher Education Symposium with keynote address: Faculty-Driven Program Assessment - Dick Jardine, February 2007

West Virginia College Student Retention Conference, Charleston, WV, March 2007

West Virginia Council of Teacher's Of Mathematics Conference, Flatwoods, WV, March 2007

T³ Regional Conference, Flatwoods, WV, March 2007

West Virginia Statewide County Leadership Meeting with a keynote address: Practical Strategies for Ensuring that No Teacher of Mathematics is Left Behind- Steve Leinwand and 2-day workshop with Ron Pelfrey on “Mathematics Program Improvement Review” - June 2007

AASCU conference, Redesigning Remedial Mathematics, Austin, Texas, July 17 and 18, 2007

AAMTE Regional conference, Huntington, WV, Fall 2007

RESA VII County Math Leadership Mathematics Meetings, Clarksburg, WV, December 2007

NSF Grant Writing Workshop, Morgantown, WV, December 2007

International Conference on Education, Honolulu, HI, January 2008

NCTM NCATE Program Report Compiler Training session, Online session January 18, 2008

CITI: Collaborative Institutional Training Initiative, Online Human Subjects Research Training and Certification, February 2008

WVCTM Annual Conference, March 2008, Flatwoods, WV

The Twentieth Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Spring, 2008, San Antonio, Texas

RESA VII County Math Leadership Mathematics Meeting, Clarksburg, WV, March 2008

Tabula Digita Training Institutes - McHenry Maryland and Uniontown, PA Summer - Fall 2008;
Trainer: John Freedman

Quantile Framework Sessions - Charleston, WV and Morgantown, WV - Fall 2008; Trainers:
Jason Turner and Dr. Samantha Burg

Benchmark Setting for WESTEST2 - Fall 2008 - Spring 2009, Charleston and Morgantown WV

Tabula Digita Training Institutes - McHenry Maryland and Uniontown, PA Summer 2009;
Trainer: John Freedman

International Conference on Education, Honolulu, HI, January 2009

ACCLAIM Research Symposium, Newark, Ohio, May 2009; Paul Theobald speaker on Rural Education

The National Center for Academic Transformation: Increasing Student Success in Developmental Math, Nashville TN, November 2009 (Selected to join WV team - University Representative)

West Virginia Liberal Arts Symposium, Princeton, WV, December 2009

International Conference on Education, Honolulu, HI, January 2010

Fourteenth Annual Conference of the Association of Mathematics Teacher Educators, Irvine, California, January 2010

WVCTM Annual Conference, March 2010, Flatwoods, WV Past NCTM president, Kathy Seeley speaker on *Faster isn't Smarter*

International Conference on Education, Honolulu, HI, January 2011

The Twenty Third Annual International Conference on Technology in Collegiate Mathematics, ICTCM - Spring, 2011, Denver, CO

International Conference on Education, Honolulu, HI, January 2012

SREB College Readiness Transition Course Project - Presentations by Tim Shanahan on Disciplinary Literacy, Jason Zimba on Common Core Standards and Bill McCallum on Common Core Standards and Learning Progressions and the Illustrative Mathematics Project. Atlanta Georgia, January 2012

WVDE Pathways for High School Mathematics, February 2012. Guest Presenter for the day was Dr. Gary Martin, Charleston, WV

Human Subjects KC Training, September, 2012. Morgantown WV.

Smarter Balance Assessment Webinar, October 2012. Presenters Jackie King and Shelby Cole.

International Conference on Education, Honolulu, HI, January 2012, attended special session at the University of Hawaii Laboratory School visiting classrooms and taking part in sessions designed to help participants understand of the role of inquiry and how it has shaped the curricula and how it is currently renewing the understanding of assessment and evaluation. Lead mentor: Frank Pottenger

Quality Matters: Applying the Rubric Workshop (Distance Education) January, 2013

WVU Faculty Development Workshop on Introduction to Wimba Classroom, Spring 2013.

Memberships in Professional Associations

Mathematical Association of America

National Council of Supervisors of Mathematics

National Council of Teachers of Mathematics

West Virginia Council of Teachers of Mathematics

Association for Research in Undergraduate Mathematics Education

American Education Research Association

Mathematics Education Reform Association (1993 - 2003)

Phi Delta Kappa (1991 - 1997)
American Mathematical Society (1991-1999)
Dance Educators of America (1977-1992)
Association of Mathematics Teacher Educators (not current)

Special Competencies

University Courses Taught

Education Orientation 2
Algebra II Workshop & SatNet Algebra Workshop (Distance Learning Project)
Beginning and Intermediate Algebra
General View Mathematics
College Algebra & Computer Intensive College Algebra
WvEB College Algebra & SatNet College Algebra (Distance Learning Projects)
Pre-Calculus & Computer Intensive Pre-Calculus
Calculus I & Computer Calculus I & II (Assistant for Project Calc)
Mathematics for Elementary Education Majors I, II and III
History of Mathematics
Number and Algebra for Teachers
Geometry for Secondary Education Majors
Methods for Elementary Mathematics Teachers
Graduate Level Mathematics Education Independent Studies Courses
Graduate Courses for Middle and High School Mathematics Teachers

Courses and Curricula Designed

Education Orientation II
Computer Enhanced College Algebra
Computer Enhanced College Pre-Calculus
Mathematics for Elementary (K-8) Teachers
Number and Algebra for Teachers
Measurement and Geometry for Teachers
Computer Laboratories for Mathematics for Elementary Education Majors
Computer Laboratories for Geometry for Secondary Education Majors
Web-Enhanced College Algebra
Blue Ribbon Pre-Calculus Course
7th Grade, Algebra I, Geometry, Transitional Math Computer Laboratories for WVDE Teach 21
Math with Robots Units I - III (Funded in part by the WVDE)
History of Mathematics

Presentations

Math with Robots I with Anthony Pyzdrowski., 3-day session for teachers in Champaign, IL and Engineers and Scientists from the ERDC, July 31 and August 1-2, 2013. Funded by the US Department of Defense through NCASE

Math with Robots I, II and III (training done for free due to funding cuts) with Anthony Pyzdrowski, 3-day sessions each for teachers in Huntsville Alabama and Engineers and Scientists from the Redstone Arsenal, June 10 - 19, 2013. Funded by the US Department of Defense through NCASE

Math with Robots II with Anthony Pyzdrowski., 3-day session for teachers in Cecil County Maryland and Engineers and Scientists from the Aberdeen Proving Ground's in Perryville, Md., July 1-3, 2013 Funded by the US Department of Defense through NCASE

Math with Robots I with Anthony Pyzdrowski., 3-day session for teachers in Cecil County Maryland and Engineers and Scientists from the Aberdeen Proving Ground's in Perryville, Md., April 18 - 20, 2013. Funded by the US Department of Defense through NCASE

Indicators for Success in First year Calculus with Anthony Pyzdrowski and Lori Ogden. International Conference on Education, Honolulu, HI, January, 2013.

Math with Robots I with Anthony Pyzdrowski., 3-day session for teachers in Ringwood, New Jersey, November 28-30, 2012. Funded by the US Department of Defense through NCASE

Math with Robots II with Anthony Pyzdrowski., 3-day training for teachers in Natick, Massachusetts, August 14-16, 2012. Funded by the US Department of Defense through NCASE

Math with Robots II with Anthony Pyzdrowski., 5-day session for students and teachers in Huntsville, Alabama, June 25-29, 2012. Funded by the US Department of Defense through NCASE

Math with Robots I with Anthony Pyzdrowski., 5-day session for students and teachers in Huntsville, Alabama, June 18-22, 2012. Funded by the US Department of Defense through NCASE

Math with Robots II with Anthony Pyzdrowski., 3-day training for teachers in Huntsville, Alabama, June 14- 16, 2012. Funded by the US Department of Defense through CASE

Math with Robots I with Anthony Pyzdrowski., 3-day training for teachers in Huntsville, Alabama, June 11-13, 2012. Funded by the US Department of Defense through CASE

Math with Robots Initiative with Anthony Pyzdrowski., 3-day training for teachers in Natick , Massachusetts April 17 - 19, 2012. Funded by the US Department of Defense through CASE (Invited)

WvEB Mathematics: A Successful Web Enhanced Project Offering College Level Courses to High School Students, Presentation for the 2012 Allegheny Mountain Section Meeting of the Mathematical Association of America, Morgantown, WV

Inquiry and Design Through the Lens of Mathematics - Part II, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2012 (With Anthony Pyzdrowski)

Inquiry and Design Through the Lens of Mathematics - Part I, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2012 (With Anthony Pyzdrowski)

Math with Robots Initiative with Anthony Pyzdrowski., 3-day training for teachers in Huntsville, Alabama January 19 - 21, 2012. Funded by the US Department of Defense through CASE (Invited)

Teaching Algebra Support with Robots with Anthony Pyzdrowski. International Conference on Education, Honolulu, HI, January, 2012

Math with Robots Initiative with Anthony Pyzdrowski., 3-day training for teachers in Natick, Massachusetts, August 9 - 11, 2011. Funded by the US Department of Defense through CASE

Math with Robots Initiative with Anthony Pyzdrowski., 5-day session for students and teachers in Huntsville, Alabama, June 6 - 19, 2011. Funded by the US Department of Defense through CASE

Math with Robots Initiative with Anthony Pyzdrowski., 3-day training for teachers in Huntsville, Alabama, June 1 - 3, 2011. Funded by the US Department of Defense through CASE

Math with Robots Initiative with Anthony Pyzdrowski., 3-day training for teachers in Natick, Massachusetts, April 18 - 20, 2011. Funded by the US Department of Defense through CASE

Keynote Speaker for the Chinese American Educational Research and Development Association (CAERDA) International Conference, Technology and Math Education, New Orleans, LA April 8, 2011

Official Welcome (Keynote) to Higher Ed. Participants and presentation on Transition Math: Dysfunctional Families (Functions) with Anthony Pyzdrowski, 2-day training for teachers in Bridgeport, WV, March 29 - 30, 2011. Sponsored by the West Virginia Department of Education.

Online Resources For Pre-service Teachers, Presentation for the Twenty-Third Annual International Conference on Technology in Collegiate Mathematics with A. Pyzdrowski, ICTCM Denver, CO March 2011

Math with Robots Initiative with Anthony Pyzdrowski., 3-day training for teachers in Pearl City, Hawaii. March 14 - 16, 2011. Funded by the US Department of Defense through CASE

Implementing Educational Gaming in the Mathematics Classroom: Phase I, Professional Development. with Anthony Pyzdrowski and Weifeng Chen. International Conference on Education, Honolulu, HI, January 2011

Engineering Academy Initiative for Alabama State-Wide Sharing Conference: Math with Robots, Presentation with Anthony Pyzdrowski, a 1.5 hour introductory session funded by the Center for the Advancement of STEM Education, December 8, 2010.

Algebra Support: Math with Robots, Presentation with Anthony Pyzdrowski, a 2-day workshop funded by West Virginia Department of Education for West Virginia teachers, Charleston, West Virginia, October 22 -23, 2010.

Early Enrollment Algebra and Trigonometry: The WvEB Project, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2010 (With Anthony Pyzdrowski)

A Resource Option for Blended Courses in Mathematics with Anthony Pyzdrowski, International Conference on Education (Session Chair), Honolulu, HI, January 2010

Transition Mathematics for Seniors: Presentation with Anthony Pyzdrowski of Java Applets and curriculum materials developed by the presenters, a 2-day workshop funded by West Virginia Department of Education for West Virginia teachers, Charleston, West Virginia, November 16-17, 2009

Early Enrollment Panel Presentation Participant for HEPC Academic Affairs Officers, September, 2009, Stonewall Resort, WV, With Cindy Kelley and Gayle Orison.

WVDE Teacher Leadership Academy, Tabula Digita, 2-hour sessions on July 13 and August 10, 2009. Morgantown, WVU With Anthony Pyzdrowski

Tabula Digita Follow-up Training: Problems Encountered with Implementation of Instructional Modules, May 2009. Fayette County, PA with Anthony Pyzdrowski and Wade Grove.

Implementation and Usage of DimensionM Educational Game Software, with Anthony Pyzdrowski., 3-day training for teachers in Waipahu, Hawaii. March 31 - April 2, 2009. Funded by the US Department of Defense

Using Gaming to Engage Students in Algebra and Pre-Algebra, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2009 (With Anthony Pyzdrowski)

Programming the TI83/84 Calculator, Presentation for the US Regional T³ Conference, Flatwoods WV March, 2009 (With Anthony Pyzdrowski)

Geometry: Online Units, Presentation with Anthony Pyzdrowski, a 2-day workshop funded by West Virginia Department of Education for West Virginia teachers, Charleston, West Virginia, March 12 - 13, 2009

7th Grade: Online Units, Presentation with Anthony Pyzdrowski, a 2-day workshop funded by West Virginia Department of Education for West Virginia teachers, Clarksburg West Virginia, March 5-6, 2009

Student Preferences for Learning College Algebra in a Web Enhanced Environment - with Anthony Pyzdrowski, International Conference on Education (Session Chair), Honolulu, HI, January 2009

Algebra I: Online Units V- VII, Presentation with Anthony Pyzdrowski, a 2-day workshop funded by West Virginia Department of Education for West Virginia Algebra I teachers, Flatwoods West Virginia, December 5 - 6, 2008

An Overview of Program Change in College Algebra Presentation for the West Virginia Mathematics Higher Education Symposium, Bridgeport WV April, 2008

Applets for Algebra I, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2008 (With Anthony Pyzdrowski)

WvEB Mathematics: A Successful Web Enhanced Project Offering College Level Courses to High School Students, Presentation for the Twentieth Annual International Conference on Technology in Collegiate Mathematics with A. Pyzdrowski and M. Mays, ICTCM San Antonio, Texas, March 2008

Algebra I: Online Units I - IV, Presentation with Anthony Pyzdrowski, a 2-day workshop funded by West Virginia Department of Education for West Virginia Algebra I teachers, Flatwoods West Virginia, February 29 - March 1 2008

College Algebra: An Overview of Change, The 5th Annual Hawaii International Conference on Education with A. Pyzdrowski, January 2008

WvEB Mathematics, invited presentation with Mike Mays at the Glenville State Consortium Meeting, November 2007

Higher Education and CSO's, invited presentation at Salem International University, Salem, West Virginia, November, 2007

JAVA Applets for Algebra, at the Appalachian Associate of Mathematics Teacher Educators regional conference in Huntington WV, November 2007, with A. Pyzdrowski

WvEB Mathematics: Scaling and Sustaining the Project, presentation to the Academic Affairs Advisory Committee of the West Virginia Higher Education Policy Commission, Charleston West Virginia, June 2007 and Fairmont, WV , August 3, 2007 with M. Mays.

Dynamic Classroom Assessment, 1-day continuation of team workshop by the West Virginia Math Task Force, June 2007, Charleston, WV

WvEB Mathematics, project report presentation to the Academic Affairs Advisory Committee of the West Virginia Higher Education Policy Commission, April 2007, Canaan Valley, West Virginia with M. Mays and C. Fizer

Behavioral Modification for your TI, presentation for the West Virginia Regional T³ Conference, Flatwoods WV March, 2007 (With Anthony Pyzdrowski)

Behavioral Modification for your TI - Part II, presentation for the West Virginia Regional T³ Conference, Flatwoods WV March, 2007 (With Anthony Pyzdrowski)

Have you Talked to Your Calculator Lately? - Using TI Connect, Invited Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2007 (With Anthony Pyzdrowski)

WvEB Math: College Algebra and Trigonometry for High School Students, MAA Poster Session with Mays, at the New Orleans Joint Mathematics Meetings, January, 2007

Integrating Engineering Topics into Mathematics and Computer Sciences Courses, The 5th Annual Hawaii International Conference on Education with A. Pyzdrowski, January 2007

Making Connections to the Classroom - Revisiting DCA, 2 - day team workshop by the West Virginia Math Task Force, November 2006, Morgantown, WV

Dynamic Classroom Assessment (DCA), 2 - day team workshop by the West Virginia Math Task Force, July 2006, Chester, WV

WvEB Mathematics: College Level Mathematics Courses for High School Students, Presentation for the Computing and Technology Symposium, Morgantown, WV April 2006

Hands on Math....., Presentation for the West Virginia Association of Two Year Colleges, Clarksburg, WV April 2006

WvEB Mathematics: College Level, Web-Enhanced Algebra and Trigonometry Courses for High School Students in West Virginia, Presentation of the National Council of Supervisors of Mathematics, St. Louis Missouri, April 2006

Using Technology to Help Address Different Learning Styles in a College Algebra Classroom, Presentation for the Eighteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM Orlando, Florida, March 2006

WvEB Algebra: A Web Enhanced College Course for West Virginia High School Seniors, Presentation for the 5th Annual Hawaii International Conference on Statistics, Mathematics and Related Fields, Honolulu, HI, January 2006

Tips from the Trenches: Things to Keep in Mind as You Work Toward Tenure, panel member for faculty development session at West Virginia University, October 2005, Morgantown, WV

Learning Styles in the Mathematics Classroom, Presentation to the WVU mathematics graduate students, Fall 2005, Morgantown, WV

The WvEB Mathematics Initiative, Presentation with Mike Mays for the WV Statewide Technology Conference 2005, August 2005, Morgantown, WV

The WvEB Mathematics Initiative, Presentation for the South African Visiting Educators, Garrett Community College, July 2005, McHenry, Maryland

Melanie Butler and Laura Pyzdrowski (L. Pyzdrowski did not attend conference, but contributed to presentation by Butler.) PRS Research. Joint Meeting of the AMS and the German mathematical society, Mainz, Germany, Summer 2005 (session organized by Alan Schoenfeld).

Tools for Sustaining Collegial Professional Learning Communities, Invited presenter with Fred Gross from the Education Development Center, Cheryl Reger and Murrel Hoover for the MERIT Dissemination Conference. Charleston, WV. May 2005.

JAVA Applets: Animated Tools for Your Students, Invited Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2005

Learning Communities in Higher Education, Presentation with Karen Mitchell for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2005

The WvEB Mathematics, Presentation with Mike Mays for West Virginia Higher Education Mathematics Symposium, Flatwoods WV March, 2005

WvEB Mathematics: Web Enhanced College Courses for High School Seniors, Presentation for the 2005 Hawaii International conference on Statistics, Mathematics and Related Fields, Honolulu, HI, January 2005

Using Java Applets to Explore Multiple Representations of Functions, Invited Presentation for the Seventeenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM New Orleans, LA October 2004

Tips from the Trenches: Things to Keep in Mind as You Work Toward Tenure, panel member for faculty development session at West Virginia University, October 2004, Morgantown, WV

WvEB Mathematics: A report to the Academic Policy Committee of the West Virginia Higher Education Policy Commission, Charleston, WV July 2004

Java Applets for Maximizing Area, Invited Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2004

Creating WEBCT Questions for Quizzes and Tests in College Algebra, Invited Presentation for the Sixteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM Chicago, Illinois, Fall 2003

WvEB Algebra, Invited Presentation for Wood County Schools, Parkersburg West Virginia, Fall 2003

Writing in the Preservice Mathematics Classroom, Research Presentation for Project PREP, Potsdam, New York, Summer 2003

Bridging Math and Science, Invited Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2003

The West Virginia Math Task Force Report, Invited Presentation for the West Virginia Higher Education Symposium, Charleston West Virginia, Spring 2003

Using WEBCT to Enhance College Algebra, Invited Presentation for The Fifteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM , Orlando, Florida, Fall 2002

The Institute for Math Learning at WVU, Invited Presentation for WV Association for School Administrators, Morgantown, WV, Fall 2002

WvEB Algebra, Invited Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2002

WvEB Algebra, Invited Presentation for the Higher Education Math/Science Symposium, Charleston, WV , Spring 2002

WvEB Algebra. Presentation for The Fourteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM , Baltimore, MD , Fall 2001

WvEB Algebra, Presentation for the West Virginia University Computing and Technology Fair, Spring 2001

The Institute for Math Learning, Presentation with Dr. Michael Mays to the Eberly College Alumni Advisory Board, Morgantown, WV, Spring 2001

WvEB Algebra, Invited Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2001

Interactive Computer Laboratories for College Algebra. Presentation for The Thirteenth Annual International Conference on Technology in Collegiate Mathematics, ICTCM , Atlanta, Georgia , Fall 2000

Interactive Web-based Computer Activities for Precalculus, Invited Presentation for PreCalculus Forum hosted by Prentice Hall, Van Coover, Summer 2000

Exploring Functions While Using the Rule of Four, Simulations and Manipulatives, Presentation for the National Council of Teachers of Mathematics Conference, NCTM , Chicago, Il , Spring 2000

Interactive Mathematics Laboratories, Presentation for the West Virginia University Computing and Technology Fair, Spring 2000

A Modeling Activity for Algebra, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 2000

Interactive Web-based Computer Activities for Precalculus The Twelfth Annual International Conference on Technology in Collegiate Mathematics, ICTCM, San Francisco, Fall 1999

Using the Rule of Four During a Graphics Calculator Activity, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 1999

Test Bank for Algebra II IGO's, Presentation for the West Virginia Council of Teachers of Mathematics, Flatwoods WV March, 1999

Using the Rule of Four in Problem Solving: A College Algebra Graphing Calculator Activity, Conference on Technology in Collegiate Mathematics, ICTCM, New Orleans, LA. November 1998

Presentation for the West Virginia Council of Teachers of Mathematics Symposium, October, 1998, Morgantown WV

Mathematics and Technology Presentation at Preston High School in Preston County West Virginia, January, 1998.

"Towers of Hanoi and Other Problem Solving Activities" Presentation at the National Council of Teachers of Mathematics state meeting in Sutton, West Virginia, April 1997.

"Computers, Cooperation, Communication, and Critical Thinking Skills" Doctoral Defense for Curriculum and Instruction, WVU, Summer, 1996

"Computers in Secondary School Mathematics" Technology based inservice for secondary education teachers of Connellsville High School, Connellsville, Pennsylvania June, 1995.

"Computers in Middle School Mathematics" Technology based presentation at the National Council of Teachers of Mathematics regional meeting in Charleston, West Virginia, November, 1994.

"Using the Rule of Three to Teach Algebra" Technology based presentation to secondary preservice teachers at West Virginia University, Morgantown, West Virginia, September, 1993.

"Using Derive in an Algebra Classroom" Presentation for inservice mathematics teachers at Garrett Community College, McHenry, Maryland. July, 1993.

"Eligibility Requirements for Student Teaching" Presentation for prospective student teachers at West Virginia University, West Virginia University, Spring, 1994, 1993.

"Computers and Technology in Mathematics Education" Presenter at WVCTM, Wheeling, West Virginia, March, 1993.(Team presentation)

"Translations: Algebraic Models and their Geometric Representations" Technology based presentation to secondary preservice teachers at West Virginia University, Morgantown, West Virginia, October, 1992 and October 1991.

"Education as a Major." Presentation to Non-Education West Virginia University Advisors, Morgantown, West Virginia, Fall and Spring , 1989-1994.

"Teacher Education Programs at WVU" Presentation to State high school counselors about programs available to new freshman, Morgantown, West Virginia, Fall 1992.

"New Freshmen Registration." Guest lecturer for Orientation 1 class West Virginia University, Morgantown, West Virginia, October 1990.

Publications

Pyzdrowski, L., Sun, Y., Curtis, R., Miller, D., Wynn, G., and Hensel, R. (2013) Readiness and Attitudes as Indicators for Success in College Calculus, *International Journal of Science and Mathematics Education*, Volume 11, Issue 3 pp. 529 - 554.

Pyzdrowski, L. Pyzdrowski, A, Ogden, L.,and Walker, V.(2013). Indicators for Success in First year Calculus. Proceedings of The 11th Annual Hawaii International Conference on Education, USA. Retrieval from http://www.hiceducation.org/proceedings_edu.htm

Pyzdrowski, L. , Sun, Y., Walker, V., Pyzdrowski, A., Butler, M., and Chen, W. (2012) Integration of Interactive Online Learning into Introductory College Mathematics Courses, *Advancement in Online Education: International Perspectives and Practices*, Qiuyun Lin ed., Nova Science Publishers, New York, USA. ISBN: 978-1-61470-926-6 (ebook) or ISSN: 2161-9034.Vol. 2, 69 - 84.

Butler, M., Pyzdrowski, L., Walker, V., and Butler, F. (2012) The Effects of Feedback on Distributed Practice with Online Homework, *Advancement in Online Education: International Perspectives and Practices*, Qiuyun Lin ed., Nova Science Publishers, New York, USA. ISBN: 978-1-61470-926-6 (ebook) or ISSN: 2161-9034.Vol. 2, 125 - 138.

Pyzdrowski, L., Sun, Y., Curtis, R., Miller, D., Wynn, G., and Hensel, R. (2012) Readiness and Attitudes as Indicators for Success in College Calculus, *International Journal of Science and Mathematics Education*, 1 - 26. e-version

Pyzdrowski, L. and Pyzdrowski, A,(2012). Teaching Algebra Support with Robots. Proceedings of The 10th Annual Hawaii International Conference on Education, USA. Retrieval from http://www.hiceducation.org/proceedings_edu.htm

Pyzdrowski, L., Butler, M., Walker, V., Pyzdrowski, A., and Mays, M.(2011) Exploring the Feasibility of Dual Credit Mathematics Courses in High School Via a Web-Enhanced, Blended Model. *Journal for General Education*. (Vol. 60, No. 1) 43 - 60.

Pyzdrowski, L. Pyzdrowski, A, Walker, V., Sun, S., and Chen, W.(2011). Implementing Educational Gaming in the Mathematics Classroom: Phase I, Professional Development. Proceedings of The 9th Annual Hawaii International Conference on Education, USA. Retrieval from http://www.hiceducation.org/proceedings_edu.htm

Pyzdrowski, L. J. & Pyzdrowski, A. (First Edition - 2010). Interactive Computer Laboratory Manual. *For Pre-Service Teachers* New Jersey: John Wiley & Sons, Inc. ISBN: 978 - 0-470-90601-9

Pyzdrowski, L. J. (2010-2011 edition - moderate updates). Interactive Computer Laboratory Manual for College Algebra and Pre-Calculus. Michigan: Hayden-McNeil Publishing, Inc. ISBN: 978 - 073803770-7

West Virginia K-12 Calculator Usage Guidance, West Virginia Department of Education (One of 20 authors), Retrievable from <http://wvde.state.wv.us/teach21/documents/CalculatorUsageGuidelinesProposal.doc>

Butler, M., Pyzdrowski, L., Walker, V. and Yoho, S. (2010) Studying Personal Response. *Investigations in Mathematics Learning*.(Vol. 2, No. 2) 1-17.

Pyzdrowski, L., and, Pyzdrowski, A.(2010). Educational applets: A resource option for blended course offerings in mathematics. Proceedings of The 8th Annual Hawaii International Conference on Education, USA. Retrievable from http://www.hiceducation.org/proceedings_edu.htm

Sun, Y., and Pyzdrowski, L.(2009) Using Technology as a Tool to Reduce Math Anxiety. *The Journal of Human Resource and Adult Learning*. (Vol 5, No. 2) 38 - 44.

Pyzdrowski, L and Pyzdrowski, A.(2009) Student Preferences for Learning College Algebra in a Web Enhanced Environment. *Research in Higher Education Journal*. (4) 1 - 9.

Pyzdrowski, L., Mays, M., Butler, M., Walker, V., and Pyzdrowski, A. (2009) WvEB Mathematics: A Successful Web Enhanced Project Offering College Level Courses to High School Students, Proceedings of The Twentieth Annual International Conference on Technology in Collegiate Mathematics, USA. (pp. 204 - 208). Reading: Addison Wesley Longman

Pyzdrowski, L., Pyzdrowski, A and Butler, M.(2008). Student Preferences for Learning College Algebra in a Web Enhanced Environment. Proceedings of The 6th Annual Hawaii International Conference on Education, USA. Retrievable from http://www.hiceducation.org/proceedings_edu.htm

WvEB Algebra Teacher CD, 2009 - 2010; updated for new version of text

WvEB Algebra Student CD, 2009 - 2010; updated for new version of text

Pyzdrowski, L. J. (2009-2010 edition). Interactive Computer Laboratory Manual for College Algebra and Pre-Calculus. Michigan: Hayden-McNeil Publishing, Inc.

Butler, M., Pyzdrowski, L., Goodykoontz, A. and Walker, V.(2008) The Effects of Feedback on Online Quizzes. *International Journal for Technology in Mathematics Education*, 15(4) 131-136.

Mays, M., Plunkett, H., Pyzdrowski, L., Reger, C., and Reger, N. (2008) *West Virginia ACT Guide*, West Virginia Department of Education, Retrievable from <http://wvde.state.wv.us/teach21/act-guides.html>.

Butler, M. Butler, F., Fuller, E., Mayes, R., Mays, M, and Pyzdrowski, L.(2008), *IML - Institutional Change in Lower Division Mathematics*, "Exploring the Evidence: Campus-Wide Initiatives in the First College Year," part of The First-Year Experience Monograph Series published by The National Resource Center for The First-Year Experience and Students in Transition, 49(Section 7) 127 - 131.

Pyzdrowski, L.,Butler, M. Walker, V. and, Pyzdrowski, A.(2008). *College Algebra: An Overview of Program Change. Proceedings of The 6th Annual Hawaii International Conference on Education, USA*. Retrievable from http://www.hiceducation.org/proceedings_edu.htm

Pyzdrowski, L. J. (2006 - 2008 edition). *Interactive Computer Laboratory Manual for College Algebra and Pre-Calculus*. Michigan: Hayden-McNeil Publishing, Inc.

WvEB Algebra Teacher CD, 2006 - 2008

WvEB Algebra Student CD, 2006 - 2008

Pyzdrowski, L., Pyzdrowski, A.(2007). *Integrating Engineering Topics into Mathematics and Computer Sciences Courses. Proceedings of The 5th Annual Hawaii International Conference on Education , USA*. Retrievable from http://www.hiceducation.org/proceedings_edu.htm

Pyzdrowski, L., Butler, M., Pyzdrowski, A., Walker, V., (2007) *Using Technology to Help Address Different Learning Styles in a College Algebra Classroom, Proceedings of The Eighteenth Annual International Conference on Technology in Collegiate Mathematics, USA* (pp. 206 - 210)

Pyzdrowski, L., Pyzdrowski, A., (2006). *A JAVA Applet to Explore Multiple Representations of Function in a Teacher Education Course. Proceedings of The Seventeenth Annual International Conference on Technology in Collegiate Mathematics, USA* (pp. 204-208).

Pyzdrowski, L., Pyzdrowski, A.(2006). *WvEB Algebra: A Web Enhanced College Course for West Virginia High School Seniors. Proceedings of The Annual Hawaii International Conference on Statistics, Mathematics and Related Fields , USA*. Retrievable from http://www.hicstatistics.org/Proceedings_Stats.htm

Pyzdrowski, L. J. (2005). *Interactive Computer Laboratory Manual for College Algebra*. Michigan: Hayden-McNeil Publishing, Inc.

Pyzdrowski, L. (2005, May/June). *What I learned from ... Working in a Professional Learning Community*. FOCUS MAA, 25(2), 24 - 25.

Richards, A., Pyzdrowski, L. (2005). *Building a Better Bakery: Collaborative Professional Development. Proceedings of The American Council on Rural Special Education, USA*

Pyzdrowski, L., Pyzdrowski, A., Mays, M. (2005). WvEB Mathematics: WEB ENHANCED COLLEGE COURSES FOR HIGH SCHOOL. Proceedings of The Annual Hawaii International Conference on Statistics, Mathematics and Related Fields , USA (pp. 803 - 810). Retrieval from <http://www.hicstatistics.org/STATS%202005.pdf>

Pyzdrowski, L., Pyzdrowski, A., (2004). CONSTRUCTING WEBCT QUIZZES FOR USE IN COLLEGE ALGEBRA. Proceedings of The Sixteenth Annual International Conference on Technology in Collegiate Mathematics, USA (pp. 252-256). Reading: Addison Wesley Longman

Pyzdrowski, L. J. (2004). Interactive Computer Laboratory Manual for College Algebra. Michigan: Hayden-McNeil Publishing, Inc.

Mays, M., Pyzdrowski, L., (2004, July 26). The Gutter Problem. Math DL: The MAA Mathematical Sciences Digital Library, Retrieved July 26 at <http://www.mathdl.org/mathDL/3/>

Pyzdrowski, L. (2003). WvEB Algebra - CD. Hayden-McNeil Publishing, Inc.

Pyzdrowski, L., Pyzdrowski, A., (2003). A WEBCT Enhanced Course for High school Students. Proceedings of The Fifteenth Annual International Conference on Technology in Collegiate Mathematics, USA (pp. 246-250). Reading: Addison Wesley Longman

Pyzdrowski, L. J. (2002). A Laboratory Manual for Mathematics for Elementary Education Majors. Morgantown: WVU Copy Center.

Pyzdrowski, L. J. (2002). WvEB Algebra Key. Morgantown: WVU Copy Center.

Frye, E., Mayes, R, Pyzdrowski, L. & Silver, J.(2002) Final Report of the West Virginia Mathematics Task Force . Charleston, WV

Pyzdrowski, L. J. (2002). Interactive Computer Laboratory Manual for College Algebra and Precalculus. Michigan: Hayden-McNeil Publishing, Inc.

Pyzdrowski, L., Pyzdrowski, A., (2002). WvEB Algebra: A Web Enhanced Course for High School Students. Proceedings of The Fourteenth Annual International Conference on Technology in Collegiate Mathematics, USA (pp. 227-231). Reading: Addison Wesley Longman

Pyzdrowski, L. J., & Miller, J. (2001). Interactive Computer Laboratories for College Algebra and Precalculus. New Jersey: Pearson Custom Publishing.

Miller, J., & Pyzdrowski, L. J. (2000). Interactive Computer Laboratories for College Algebra and Precalculus. New Jersey: Pearson Custom Publishing.

Pyzdrowski, A., Pyzdrowski, L., (2001). Interactive Computer Laboratories for College Algebra. Proceedings of The Thirteenth Annual International Conference on Technology in Collegiate Mathematics, USA (pp. 307 - 311). Reading: Addison Wesley Longman

Pyzdrowski, L., Miller, J. , Pyzdrowski, A., (1999). Interactive Web-based Computer Activities for Precalculus. In Goodell (Ed.), Proceedings of The Twelfth Annual International Conference on Technology in Collegiate Mathematics (pp. 325-329). Reading:: Addison Wesley Longman.

Pyzdrowski, L., Priselac, N. (2000). Using the Rule of Four in Problem Solving: A College Algebra Graphing Calculator Activity. In Goodell (Ed.), Proceedings of The Eleventh Annual International Conference on Technology in Collegiate Mathematics (pp. 370 - 374). Reading: Addison Wesley Longman

Pyzdrowski, L., Miller, J. , Georger, L., (1999). The Evolution of Web-Based Mathematics Laboratories at West Virginia University. Proceedings of the International Conference on Mathematics/Science Education & Technology, USA, 99, 298 -302.

Pyzdrowski, L., (1996). Computers, Cooperation, Communication, and Critical Thinking Skills Dissertation WVU

Exploring Pi Using the Computer in Middle School Mathematics. School Science and Mathematics, 96(7), 378-381. Primary author.

Computers & Technology in Mathematics Education: A West Virginia University Summer Institute. Mathmatters Journal , 9(2), November 1993 West Virginia Council of Teachers of Mathematics.

A University Calculus Reform Project. Mathmatters Journal, 10(1), May 1994, West Virginia Council of Teachers of Mathematics.

Grants

Improving Teacher Quality State Grants Program for Blue Ribbon project - Math 1-For-All for Summer 2013 - Spring 2014. Funds awarded to develop and implement professional development in the content areas of Math I integrated Algebra and Geometry Topics. Primary Grant Writers: Dr. Laura Pyzdrowski (PI) \$54,081 ITQ - 13 -WVU - 1

Eberly College of Arts and Sciences Summer Grant for Course Development for Summer 2013 for the revitalization of Math 129: Pre-Calculus. Project Director: Dr. Laura J. Pyzdrowski Award Amount \$3,500

West Virginia University Systems support for Fall 2011- Summer 2013 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. A focus continues to be WvEB Calculus Project Director: Dr. Laura J. Pyzdrowski Award Amount \$73,000

West Virginia Department of Education support for Fall 2010 - Summer 2012. Funds were awarded to develop and implement professional development for the Robot Algebra and education gaming software Dimension M. Director: Dr. Laura J. Pyzdrowski Award Amount \$36,671

West Virginia University Systems support for Fall 2010- Summer 2011 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. A focus will be the development of WvEB Calculus Project Director: Dr. Laura J. Pyzdrowski Award Amount \$85,000

West Virginia University Systems support for Fall 2009- Summer 2010 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. A focus will be the development of WvEB Calculus Project Director: Dr. Laura J. Pyzdrowski Award Amount \$46,003

West Virginia Department of Education support for Fall 2009 - Summer 2010. Funds were awarded to develop and implement professional development for the Robot Algebra and education gaming software Dimension M. Director: Dr. Laura J. Pyzdrowski Award Amount \$20,000

West Virginia University Systems support for Fall 2008- Summer 2010 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. Project Director: Dr. Laura J. Pyzdrowski Award Amount \$18,210

West Virginia University Systems support for Fall 2007- Summer 2010 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. Project Director: Dr. Laura J. Pyzdrowski Award Amount \$59,000

Improving Teacher Quality State Grants Program for a Blue Ribbon project - 21st Century Statistics for Summer 2008 - Spring 2009. Funds were awarded to develop and implement professional development in the content areas of Statistics. Primary Grant Writers: Dr. Laura Pyzdrowski (CO-PI) and Dr. Margie Darrah (PI) \$55,000 ITQ - 08 -WVU - 1

NSF Senior Personnel funds. Money to support project Engineers of Tomorrow initiatives. Fall 2008 - Fall 2009. Award Amount \$21,999 NSF: 0525484

NSF Senior Personnel funds. Money to support project Engineers of Tomorrow initiatives. Fall 2007 - Fall 2008. Award Amount \$21,667.48 NSF: 0525484

NSF Senior Personnel funds. Money to support project Engineers of Tomorrow initiatives. Fall 2006 - Fall 2007. Award Amount \$21,220.81 NSF: 0525484

West Virginia University Systems support for Fall 2006- Summer 2007 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. Project Director: Dr. Laura J. Pyzdrowski Award Amount \$43,100 (Includes amount of \$8,150 directed to Concord)

Eberly College of Arts and Sciences Course Development Grant for Pre-Calculus Question Bank Development for Summer 2006 - Spring 2007. Funds were award to develop and question bank to use in online quizzing and testing in Pre-Calculus. Matching departmental funds awarded to conduct research related to the implementation. College Award \$3,500 Department Award \$3,500. Dr. Melanie Butler and Dr. Laura Pyzdrowski CO-Directors

Improving Teacher Quality State Grants Program for project Blue Ribbon Probability for Summer 2006 - Spring 2007. Funds were awarded to develop and implement professional development in the content areas of Probability and Data Analysis. Primary Grant Writer: Dr. Laura Pyzdrowski (CO-PI) and Dr. Melanie Butler (CO-PI) \$48,881 with an additional post award of \$2,325 ITQ - 06 -WVU - 1

West Virginia University Systems support for Summer 2005- Summer 2007 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. Project Director: Dr. Laura J. Pyzdrowski Award Amount \$37,065

NSF CCLI Grant 033917. Co-PI of Collaborative Development of Java Laboratories for College Algebra and Trigonometry January 2004 - December 2006 Award Amount \$54,997

NSF Senior Personnel funds. Money to support project Engineers of Tomorrow initiatives. Fall 2005 - Fall 2006. Award Amount \$20,947 NSF: 0525484

Improving Teacher Quality State Grants Program for project Blue Ribbon Algebraic Learning Communities for Summer 2005 - Fall 2005. Funds were awarded to develop and implement professional development in the content areas of Algebra and Special Education. Proposal writers: Dr. Laura Pyzdrowski (CO-PI) and Dr. Ann Richards (PI) \$31,397 ITQ - 05 -WVU - 2

NSF MERIT Co-PI funds. Money to support project MERIT initiatives. Spring 2005. Award Amount \$16,000 NSF: 9911928 ** Replaced Libby Frye as Co-PI (retired)

West Virginia University Systems support for Summer 2004- Summer 2005 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. Project Director: Dr. Laura J. Pyzdrowski Award Amount \$25,850

NASA minigrant for Origami Fall 2004 workshop. Funds were awarded to supplement the Blue Ribbon Applied Geometry project. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$3,000.

Improving Teacher Quality State Grants Program for project Blue Ribbon Applied Geometry for Summer 2004 - Fall 2004. Funds were awarded to develop and implement professional development in the content areas of Geometry and Special Education. Proposal writer: Dr. Laura \$32,394 ITQ - 04 -WVU -2

NSF MERIT Co-PI funds. Money to support project MERIT initiatives. Spring 2004. Award Amount \$18,000 NSF: 9911928 ** Replaced Libby Frye as Co-PI (retired)

WV State Activities Title II funding for Professional Development travel and stipends, for teachers involved in the WvEB Math Project. Proposal writer: Dr. Laura J. Pyzdrowski Award Amount \$10,000, 2004 - 2005

West Virginia University Systems support for Summer 2003- Summer 2004 for coordinating, providing professional development, and conducting research for the WvEB Mathematics Program. Award Amount \$49,000

NSF MERIT Co-PI funds. Money to support project MERIT initiatives for Spring 2002 - Fall 2003. Award Amount \$8,540.03 ** Replaced Libby Frye as Co-PI (retired)

Improving Teacher Quality State Grants Program for project Blue Ribbon Applied Algebra for Summer 2003 - Fall 2003. Funds were awarded to develop and implement professional development in the content areas of Algebra and Special Education. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$ 32,783.ITQ - 03-WVU-1

Chancellor's Incentive Grant. Support for Summer 2002 - Summer 2003. Funds were awarded to support efforts to buy a portable computer laboratory and provide technological driven professional development to mathematics educators in West Virginia. Proposal writer: Dr. Laura Pyzdrowski with assistance from Dr. Robert Mayes. Award Amount. \$52,000.

Alcoa Faculty of the Future Development Grant for Fall 2002. Funds were awarded to support travel to present at an Mathematics Conference. Award Amount. \$600

Eisenhower Professional Development Grant for project Blue Ribbon Data Analysis and Probability for Summer 2002 - Fall 2002. Funds were awarded to develop and implement professional development in the content areas of Data Analysis, Probability and Statistics. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$ 28,000.

NASA minigrant for FATHOM Fall 2002 workshop. Funds were awarded to supplement funds received for Blue Ribbon Data Analysis and Probability project. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$ 4,500.

Chancellor's Incentive Grant. Support for Fall 2001 - Summer 2002. Money awarded to support efforts to systemically collaborate Statewide in the development of a sequence of distance education courses for project MERIT, a Middle School Mathematics Teacher enhancement project. Proposal writers: Dr. Robert Mayes and Dr. Laura Pyzdrowski. Award Amount. \$53,000 .

West Virginia University Systems support for Spring 2002 - Summer 2002 Money awarded to support efforts to systemically collaborate Statewide in the development of a Sequence of distance education courses for project MERIT, a Middle School Mathematics Teacher enhancement project. Proposal writers: Dr. Robert Mayes and Dr. Laura Pyzdrowski. Award Amount. \$17,600 .

West Virginia University Systems support for Spring 2002 - Summer 2002 Money awarded to support continued efforts to systemically collaborate Statewide in the development of a Web Enhanced College Algebra Course. Proposal writer: Dr. Laura Pyzdrowski. Award Amount. \$40,000.

Eisenhower Professional Development Grant for project Blue Ribbon Geometry for Summer 2001 - Fall 2001. Money awarded to develop and implement professional development in the content area of geometry. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$ 19,036.

Texas Instruments Short Course Grant for Summer 2001 Geomath course. Money awarded to supplement funds received for Blue Ribbon Geometry project. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$ 4,000.

NASA minigrant for Lenart Sphere Fall 2001 workshop. Money awarded to supplement funds received for Blue Ribbon Geometry project. Proposal writer: Dr. Laura J. Pyzdrowski. Award Amount. \$ 2,990.

West Virginia University Systems support for Summer 2000 - Spring 2001 Money awarded as start-up funds to support efforts to systemically collaborate Statewide in the development of a Web-based College Algebra Course. Proposal writers: Dr. Laura Pyzdrowski and Dr. Judy Silver. Award Amount. \$64,774.

West Virginia Department of Education support for Summer 2000 - Fall 2000 Money awarded as start-up funds to support efforts for professional development of high school teacher facilitators involved with a Web-based College Algebra Course. Proposal writers: Dr. Laura Pyzdrowski and Dr. Judy Silver. Award Amount. \$13,355.57.

Alcoa Professional Development Grant for Fall 1999. The grant allowed for the development of a Web Page for the Blue Ribbon Mathematics Partnership Committee. Professional Development, equipment, and travel funding is included in the award. Award amount, \$3,290.

Extended Learning Faculty Grant awarded Summer 1999. The grant was awarded to Dr. Laura Pyzdrowski and Dr. James Miller for the continuation of a web-based course initiative in College Algebra. Award amount, \$17,073.

Extended Learning Faculty Grant awarded Summer 1998. The grant was awarded to Dr. Laura Pyzdrowski and Dr. James Miller for a web-based course initiative in College Algebra. Award amount, \$20,000.

Alcoa Professional Development Grant for Spring/Summer 1998. The grant allowed for the development and upgrade of laboratories in Math 131, mathematics for elementary education majors. Award amount, \$7,537.

Faculty Development Grant awarded to Dr. Laura J. Pyzdrowski and Dr. James Miller for summer 1997 to restructure the Pre-calculus course at West Virginia University. The grant funded the development of computer based exercises for integration into a mathematically standards based course. Award amount, \$2,829.50.

Doctoral Student Support Grant - \$700 awarded for doctoral research, West Virginia University, 1995.

University Service

Departmental Assignments

Pre-Collegiate Mathematics Coordinator, Institute of Math Learning, Mathematics Department, West Virginia University, Morgantown, West Virginia; Responsibilities of the position include: fermenting ties with neighboring school districts, seeking external or internal funding for collaborative efforts.

WvEB Algebra Coordinator; 2000 - Present (Extended Learning Course)

Co-Coordinator of College Algebra and Pre-Calculus May 2013 - Present

Coordinator College Algebra 2002 - 2004 and May 2007 - 2013 (3-day beginning Fall 2008)

Coordinator of Mathematics for Elementary School Teachers (K - 8); 1998 - 2013

Grade WVU College Algebra Credit by Exam; 2002 - Present

Coordinator of WvEB Project; 2000 - Present and Blue Ribbon High School courses; 2000 - 2006

Give Placement Tests to extended learning students at locations around the State: 2000 - Present

Graduate Advisor for Mathematics Education Majors, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 1996-Present.

Undergraduate Advisor for Mathematics Majors, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 1999 - Present.

Mentor undergraduate and graduate education majors, Morgantown, West Virginia, 1998 - Present.

Member of doctoral research committees, West Virginia University, Morgantown, West Virginia, 1998-Present.

Co-Coordinator of Pre-Calculus; 2005 - May 2007, **Coordinator** May 2007 - Spring 2009

Capstone Project Advisor; 2006-2007

Supervision on Master's research committees, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 1997-2006.

Coordinator for Off Campus Credit By Exam and Off Campus Placement Tests for College Algebra and PreCalculus West Virginia, 1998 - 2001.

Departmental Committees

Undergraduate Programs Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2001-Present.

Faculty Evaluation Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia 2005-2007; 2011-2012

Math (Education) Faculty Selection Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2011-2012.

Math (Learning Center Director) Selection Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2011.

Institute for Math Learning Advisory Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2002-Present.

Institute for Math Learning Selection Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2000-2008.

Committee for Increasing Learning, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2006 - 2007

Masters in Math Education Revitalization Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2006 - 2007

Capstone Development Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2000-2001.

Mathematics Institute Planning Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 2000-2001.

Mathematics Education Liaison Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 1997-1998.

Mathematics Placement Test Committee, Department of Mathematics, West Virginia University, Morgantown, West Virginia, 1995,1996.

College Committees

Eberly College of Arts and Sciences Public Service Committee - West Virginia University, Morgantown, West Virginia, 2011 - 2012.

Math and Science Educators Group, Eberly College of Arts and Sciences, West Virginia University, Morgantown, West Virginia, 2008 - 2010.

Mathematics Education Search Committee, College of Human Resources and Education, West Virginia University, Morgantown, West Virginia, 1999 - 2000 & 2002-2003 & 2005.

Student Grade Appeal Committee, Eberly College of Arts and Sciences, Fall 2007

Admission and Retention Committee, College of Human Resources and Education, West Virginia University, Morgantown, West Virginia, 1993-1995.

Elementary Mathematics Education Search Committee, College of Human Resources and Education, West Virginia University, Morgantown, West Virginia, 1991.

University Committees

Ethel and Gerry Heebink Awards for Distinguished State Service Committee, West Virginia University, Morgantown, WV, 2011 & 2012.

Professional Education Coordinating Council, West Virginia University, Morgantown, West Virginia, 1998 - 2012

Campus Advisory Council - Fall 2009 as substitute for Dr. Mike Mays

Rates of Service Committee (Academic Affairs subcommittee), West Virginia University, Morgantown, West Virginia, 2007

Faculty Development Advisory Committee, West Virginia University, Morgantown, West Virginia, 2003 -2005

Project IMPACT Mathematics Committee, West Virginia University, Morgantown, West Virginia, 2000 - 2002

Evaluation Committee for Director of Extended Learning at West Virginia University. 2000

Mathematics Improvement Team, West Virginia University, Morgantown, West Virginia, 1996-1997.

Service Learning Committee, West Virginia University, Morgantown, West Virginia, 1997-1999.

State/Regional Committees

West Virginia Smarter Balanced Advisory Committee, 2012 - Present

West Virginia Higher Education Policy Commission Mathematics Advisory Committee, 2005 - Present - Coordinator

Blue Ribbon Mathematics Partnership Committee, coordinator, partnership region includes Harrison, Hampshire, Marion, Mineral, Monongalia, Preston, Randolph, Ritchie, Taylor, Upshur, Wetzel and Wood Counties, 1997- Present

Elementary Math Specialization Guidance Document Team, WVDE 2011 - 2012
Professional Development Team for Next Generation Standards, WVDE 2011

Common Core (Next Generation) Math Team, WVDE 2010 - 2011

WVCTM - Chair of the Distinguished Award Committee, 2010.

WVDE Calculator Usage Guide - 2009 - 2010

The WVDE Math Science Coalition - 2009

WV Presidential Awards for Excellence in Mathematics and Science Teaching Committee, 2009

K-16 West Virginia (Curriculum, Instruction and Assessment) Math Task Force Committee, 2004-Present

West Virginia College Readiness/Transition Team 2007 - Present

West Virginia Higher Education Math Symposium Advisory Committee, 2005 - Present

West Virginia Higher Education Policy Commission Mathematics Advisory Committee, 2005 - Present - Coordinator

HEPC Early Enrollment Task Force - Summer and Fall 2009

West Virginia Department of Education Mathematics College Readiness Standards Setting Team Group Leader, 2009

West Virginia Department of Education Mathematics ACT Guide Design Team Member, 2008

West Virginia Department of Education Geometry *and* 7th Grade Unit Design Team Member 2007 - 2008

West Virginia Department of Education Algebra I Standards-Based Unit Design Team Member 2006 - 2008

West Virginia North Central Math, Science, Technology Committee (MSTC) advisory committee, member at large, and Vice Chair. 2002 - 2007

West Virginia Content Standards and Objectives Refinement Committee 2005 - 2007

West Virginia Content Standards and Objectives Algebra III Design Team 2006 - 2007

West Virginia Content Standards and Objectives Calculus Design Team 2006 - 2007

NSF project MERIT Higher Education C0-PI, State middle school mathematics project, December 2002-2005. Duties include, organizing the MERIT Research Committee and the Higher Education Symposium Planning Committee and participating in the Development and Implementation of the 5-Year Mathematics Plan for West Virginia.

NSF project MERIT Management Committee, State middle school mathematics project, 2000 - 2005.

Southern Regional Education Board Advisory Panel: Competencies for Middle Grade Teachers, Summer 2003 - Atlanta Georgia

West Virginia Math/Science Advisory Council - 2003

West Virginia Presidential Awards Selection Committee, May 2003

West Virginia State Performance Assessment Standards Committee, 2001-2002

Higher Education West Virginia Mathematics Task Force, Chair of Sub-Committee which investigated the skills that students need to enter university level mathematics courses, 2002.

Steering Committee for State Web Based Math Course, coordinator of course design sub-committee, West Virginia, 1999 - 2002.

Professional Service

International/National Scope

Reviewer for Mathematics Teacher - Feb 2013, Manuscript # #13-02-025-3M

Reviewer for Mathematics Teacher - April 2012 & July 2012, Manuscript #12-04-091-30

Reviewer for Journal of Interactive Online Learning - April 2012 & July 2012, Manuscript # 05186

SREB College Readiness Transition Course Project - Consultant for project supported by funding from the Gates Foundation for the development of a College Algebra Readiness Course for a 5-state Cohort (Arkansas, Georgia, Kentucky, Tennessee, and North Carolina.) January - December 2012. Atlanta Georgia

Math with Robots - Provided professional development for teachers, Scientists, and Engineers (and middle school students in Alabama) in Hawaii, Massachusetts, and Alabama for the Center for the Advancement of STEM 2011 - Present (for 2013: Perryville April 18 - 20 and for 2012: Huntsville January 19 - 21, Natick, MA April 17 - 19, Huntsville, June 11-29, Natick August 14-16, Ringwood, NJ November 28-30.)

Math with Robots - Provided professional development for teachers from several states attending a week-long workshop for the Center for the Advancement of STEM Education, Garrett County, MD, July, 2010

Teacher Participant at the Center for the advancement of STEM Education, Garrett County, MD, June 2007 - Summer 2009

Implementation and Usage of DimensionM Educational Game Software, with Anthony Pyzdrowski., 3-day training for teachers in Waipahu, Hawaii. Funded by the US Department of Defense - Spring 2009

Reviewer for EISTA conference proceedings, 2007

Needs Analysis consultant for the EA/Math Standards of the National Board for Professional Teaching Standards, 2006

Reviewer for Papers for Proceedings of the Hawaii International Conference on Statistics and Related Fields, 2006

Pre-Conference Set up for 2006 National Conference of Supervisors of Mathematics, St. Louis, MO

Invited representative to the 2005 Pre-Calculus Summit in Cancun, Mexico, May 2005. Sponsored by Pearson/Prentice Hall.

Reviewer for the Journal of Interactive Online Learning – 2004-2005

Registration desk volunteer at the National Council of Supervisors of Mathematics Conference 2002 and 2004

Regional Scope

Volunteer for planning and hosting the 2012 MAA Allegheny Section Meeting in Morgantown, 2011 - 2012

WV representative at the Second State Convening of the State College and Career Readiness Initiative. Richmond, VA October 20 -21, 2010.

Score keeper for the Boy Scouts' Troop 608 Pinewood Derby Competition, Spring 2002 & Spring 2010

Developed and Implemented a 2-hour workshop for visiting 7th graders and their parents and teachers (from Maryland), WVU Mathematics Computer Labs, April 2008.

Judge for Pennsylvania Junior Academy of Science Region 8, California University of Pennsylvania, California, Pennsylvania, February 1995-2007

Challenger Baseball Management Committee - 2007, Uniontown, PA

Student mentor, in preparation for the Pennsylvania Junior Academy of Science. Fall 2003 - Spring 2004

WVU Eberly College of Arts and Science Representative at Fayette County Pennsylvania Fair, Summers 2000 - 2001

Mentor for students at Saint John the Evangelist School in Uniontown, PA for Junior Academy of Science presentations. 1997-2000, 2003-2004

Judge for Pennsylvania Junior Academy of Science, Pennsylvania State University, University Park, Pennsylvania, May 1997 -1999

"Computers in Secondary School Mathematics" Technology based in-service for secondary education teachers of Connellsville High School, Connellsville, Pennsylvania June, 1995.

Trainer for the United States Department of Education Mathematics Technology Grant at Garrett County Community College in Maryland, 1993,1994.

Statewide and University Scope

Author of 8th Grade Math Units for Teach 21 Portal, WVDE 2012-2013

WvEB Mathematics Coordinator: University Algebra and Trigonometry courses for high school students. 1999 - Present

Manage and Set up Lap Top Computer Lab for use at various functions throughout West Virginia - in collaboration with Anthony Pyzdrowski 1999 - Present

Editor of Secondary Math Units for the Teach 21 Portal, WVDE 2011 - 2012

Common Core (Next Generation Standards) Math Team, WVDE 2010 - 2011

State Level Selection Committee for the Presidential Awards for High School Mathematics, host and committee member for spring meeting, 2011

Exam Author and Registration Desk Volunteer, WV Math Field Day - Spring 2010

Assist in Development of WV Calculator Usage Guide, Fall 2009 - Spring 2010

Recruit Doctoral Students at ACCLAIM Research Symposium, May 2009

Sponsored students in 2009 WVCTM poster contest, WVU (Pyzdrowski) students took 1st and 2nd place at their level.

West Virginia Algebra I Unit Design Team, **juried units, deemed “exemplary”** by national consultants. Professional Development of Teachers Spring and Winter 2008

WV Mathematics ACT Guide Development - Spring/Summer 2008

West Virginia Geometry and 7th Grade Unit Design Teams, Fall 2007 - Spring 2008

NCATE team for accreditation of teacher education programs in mathematics, 2006 - present

Author of Region VII Field Day questions, West Virginia, Spring 2007

West Virginia Algebra I Unit Design Team, **juried units, deemed “exemplary”** by national consultants. Fall 2006 - Spring 2007

West Virginia Design Team for Algebra III and Calculus Content Standards and Objectives and Performance Descriptors (committee leader) Spring, 2007

West Virginia Curriculum Revision Committee for State Mathematics Content Standards and Objectives and Performance Descriptors, 2006

Representative at WVU Dat at the State Capitol, February, 2006

Author of tests for Harrison County Field Day, 2005

WVU Coordinator of off campus PreCalculus Course for High School Students. 2000 - 2006

Intern Portfolio Review - College of Human Resources and Education (2000- 2005)

Coordinated and implemented several professional development opportunities for State higher education and high school faculty. 2000- 2005.

Instructor for special sections of College Algebra for the WvEB Algebra program. This is a distance learning project in which college level courses are offered throughout the State to high school students. Fall, 2000 - Fall 2005.

Author of tests for the West Virginia Field Day, Region VII, 2004

NCATE liaison for college of Arts and Sciences in preparation of program review and site visit (2002 - 2004)

Author of test for the West Virginia Math League, 1995 - 2004 (West Virginia)

West Virginia High School Assessment Committee for Algebra I, Algebra II, Geometry and Grade 10, 2002.

Consultant for State of West Virginia for the writing of a Math, Science Partnership Grant

West Virginia Curriculum Revision Committee for State Mathematics Instructional Goals and Objectives and Performance Descriptors, Summer 2001-Fall 2001.

Coordinator of off campus placement tests for college algebra and precalculus courses at WVU. 2000 - 2001.

Mentor in NSF TIGERS project, Graduate Fellows work with University faculty and middle school teachers to help students in science and mathematics. 2000 - 2001.

Coordinator of off campus credit by exam for mathematics courses at WVU. 1998-2000.

Consultant for the Health Sciences and Technology Academy (HSTA). The project helps at risk high school students from West Virginia. Summer of 1999 - 2000

Instructor for a special section of College Algebra for the Health Sciences and Technology Academy (HSTA). The course was offered to at risk high school students from West Virginia in the Summer of 1997, 1998, 2000.

Instructor for special sections of College Algebra and Algebra Workshop for the Bridging the Gap program. This is a distance learning project in which college level courses are offered via satellite throughout the State. The courses were offered in 1995-2000.

“Mathematics and Technology” Presentation at Preston High School in Preston County West Virginia, January, 1998.

Author of team questions for the Region VII Math Field Day, 1994 - 1995 (West Virginia)

Research

Research Interest and Specialties

Web-Based Curriculum Development

Mathematics Education using Technology and Collaborative Learning

Distance and Blended Learning

Writing to Learn Mathematics