

## Lynn Columba

### Office

College of Education  
Lehigh University  
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3006 Kennedy Drive  
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### Education

Ed.D. University of Louisville, Louisville, Kentucky, 1989  
M.Ed. University of Louisville, Louisville, Kentucky, 1977  
B.A. Morehead State University, Morehead, Kentucky, 1972

### Certifications

Elementary Teacher (1-8)  
Reading Specialist (K-12)  
Administration--Elementary Principal  
Supervision Endorsement (K-12)

### Professional Positions

1995-Present Associate Professor, Lehigh University, Department of Education and Human Services, Bethlehem, PA  
2000-Present Coordinator of the Fifth Year Program and Education Minor, Technology-based Teacher Education Program, Lehigh University, Bethlehem, PA  
1996-2000 Program Coordinator, Teacher Education Program, Lehigh University, Department of Education and Human Services, Bethlehem, PA  
1989-1995 Assistant Professor, Lehigh University, Department of Education and Human Services, Bethlehem, PA  
1986-1989 Clinical Instructor, University of Louisville, Department of Early and Middle Childhood Education, Louisville, KY  
1986-Present Educational Consultant, School Districts in Kentucky, Indiana, Pennsylvania, New Jersey, and Maryland; International Schools in Guatemala, Thailand, and Philippines; Textbook Publishers  
1972-1986 Elementary Teacher, Jefferson County Public Schools, King Elementary School, Louisville, KY

### Publications

#### Book

Columba, L., Kim, C., & Moe, A. J. (2005). *The power of picture books in teaching math and science*. Phoenix, AZ: Holcomb Hathaway.

### Refereed Journals

- Kolodziej, N. J., & Columba, L. (In review). Invented spelling: Guidelines for parents. *The Elementary School Journal*.
- Columba, L. (2001). Daily classroom assessment. *Education*, 122(2), 372-376.
- Columba, L. & Leight, R. L. (2000). Early immersion in meaningful teaching: School-University collaboration in a summer school program. In P.A. Nelson (Ed.) & J. F. Nolan, Jr. & K. C. Scanlon (Assoc. Eds.), *School and university partnerships: Issues, trends, research, and best practices, (Monograph II, pp. 24-31)*. Pennsylvania Association of Colleges and Teacher Educators.
- Spade, J. Z., Columba, L., & Vanfossen, B. E. (1997). Tracking in mathematics and science: Courses and course selection procedures. *Sociology of Education*, 70(4), 108-127.
- Columba, L., & Dolgos, K. A. (1996). Integrating mathematics and science through bubble exploration. 1996 *Pennsylvania Council of Teachers of Mathematics Yearbook, Integrated Mathematics and Integrating Mathematics*, 1-6.
- Columba, L., & Dolgos, K. A. (1996). Building bridges through fraction language. (Reprinted from the *New England Mathematics Journal*). *Virginia Mathematics Teacher*, 23(1), 15-17.
- Columba, L., & Dolgos, K. A. (1995). Exploring with Geometric Solids. 1995 *Pennsylvania Council of Teachers of Mathematics Yearbook, Teaching Mathematics with a Focus on Learning*, 39-44.
- Columba, L., & Dolgos, K. A. (1995). Building bridges through fraction language. *New England Mathematics Journal*, 28(1), 48-55.
- Columba, L., & Dolgos, K. A. (1995). Portfolio assessment in mathematics. *Reading Improvement*, 32(3), 174-176.
- Columba, L., & Dolgos, K. A. (1994). Going the distance: Interpreting data. 1994 *Pennsylvania Council of Teachers of Mathematics Yearbook, Mathematics for All Students*, 90-98.
- Dolgos, K. A., & Columba, L. (1993). Alternative assessment: The mathematics portfolio. 1993 *Pennsylvania Council of Teachers of Mathematics Yearbook, Alternative Assessment in Mathematics*, 23-28.
- Columba, L., & Dolgos, K. A. (1993). Professional development for teachers of mathematics. (Reprinted from *Education*). *Education*, 114(1), 32-36.
- Columba, L., & Dolgos, K. A. (1993). Professional development for teachers of mathematics. *Education*, 113(4), 656-660.
- Columba, L., & Dolgos, K. A. (1993). Tips for beginners: Daily quiz sheet. *Mathematics Teacher*, 86(5), 378-379.
- Columba, L., & Dolgos, K. A. (1992). Instructional model for the teaching of mathematics. 1992 *Pennsylvania Council of Teachers of Mathematics Yearbook, New Standards for Teaching Mathematics*, 37-43.
- Lunenberg, F. C., & Columba, L. (1992). The 16PF a predictor of principal performance: An integration of quantitative and qualitative research methods. *Education*, 113(1), 68-73.
- Columba, L., & White, G. P. (1992). Writing: A tool for teaching middle level mathematics. *Transcendence: The Journal of Emerging Adolescent Education*, 20(1), 32-41.
- Columba, L., & Wire, D. (1991). Nutrition: Educational issue for parenting teens. *Delta Kappa Gamma Bulletin*, 57(4), 18-22.

- Columba, L., & Dolgos, K. (1991). Connecting mathematics and science: Investigating the pendulum. *1991 Yearbook, Mathematics Education Making Connections, Pennsylvania Council of Teachers of Mathematics*, 27-34.
- Columba, L. (1991). Problem solving: An essential skill. *Delta Kappa Gamma Bulletin*, 57(3), 32-36. [Reprinted by San Mateo Department of Education, CA.]
- Columba, L. (1991). Implementing calculators: Issues and implications. *Ohio Journal of School Mathematics*, 20, Winter, 27-29.
- Columba, L. (1990). An issue facing educators today: Censorship. *Kappa Delta Pi Record*, 27(2), 47.
- Columba, L. (1990). Technology is changing the mathematics classroom. *Delta Kappa Gamma Bulletin*, 56(3), 20-22.
- Columba, L. (1989). Equivalent Fraction Concepts: A teaching experiment. Unpublished doctoral dissertation. University of Louisville, Louisville, KY.

### Reviews

- Walt Disney Productions, Youth Media International, Curriculum Materials for *Beauty and the Beast*, 2001.
- Today's Mathematics: Concepts and Classroom Methods*, J. W. Heddens & W. R. Speer, John Wiley Publishers, 2000.
- Teaching in the spirit of the NCTM Standards: A fourth-grade teacher's story*. Lawrence Erlbaum Associates Inc., Publishers, 1996.
- The wonderful world of mathematics: A critically annotated list of children's books in mathematics*, National Council of Teachers of Mathematics, 1990.

### Honors

- 2002 Lehigh Valley Summerbridge, 10 Years of Service, Moravian Academy
- 2001 Nominated Outstanding Alumni, University of Louisville
- 1993 Phi Beta Delta Honor Society for International Scholars, Vice-President
- 1992 Phi Beta Delta Honor Society for International Scholars
- 1991 Who's Who in the East
- 1990 Nominated as a Cornerstone Consultant, Pennsylvania Comprehensive Reading Program II
- 1988 Kentucky State Scholarship, Delta Kappa Gamma Society International
- 1986 Who's Who Among Students in American Universities and Colleges

### Grants Awarded

- A Lehigh Valley Partnership to Enhance K-12 Science, Technology, Engineering, and Mathematics (STEM) Education through Graduate Teaching Fellows, NSF. Co-PI, Bill Pottenger, Henry Odi, Gary DeLeo, Glenn Blank, William Bennett, Keith Schray, Horace Moo-Young, \$1.2 million, 2002-05.
- Faculty Research Grant, Funding was received for research using calculators to learn fractions in mathematics classrooms, \$1,225.
- National Science Foundation-Lehigh Valley Mathematics Planning Grant. A \$50,000 grant for collaborative five-member team of Lehigh Valley mathematics educators, 1993-94.

Department of Energy-STAR Mathematics and Science Summer Camp. Co-director of summer camp teaching mathematics to at-risk students, 1993-95.

IBM Technology Equipment for Education. Funding was received for an instructional computer laboratory for teacher preparation, 1990.

## **Professional Presentations**

### **International and National**

*Connecting Books to Students to Concepts to Standards: Trade Books as a Dynamic Teaching Tool.* Co-presented with C. Kim & A. J. Moe. Micro Workshop, International Reading Association National Conference, Reno, NV, May 5, 2004.

*Exploring Mathematical Concepts Through Children's Literature.* Co-presented with C. Kim & A. J. Moe. National Council of Teachers of Mathematics, National Conference, Philadelphia, PA, April 23, 2004.

*Using Picture Books to Teach Mathematics and Science in the Elementary School Classroom.* Co-presented with C. Kim and A. Moe. National Council of Teachers of Mathematics, San Antonio, TX, April 11, 2003.

*Using Multimedia Learning to Increase the Number of Women and Under-Represented Minorities in Computer Science & Engineering Education.* Co-presented with W. Pottenger. Institute of Electrical and Electronics Engineers, Deans Summit II: Fostering Campus Collaborations, Miami, FL, January 10, 2003.

*A Unified Elementary Teacher Education and special Education Certification Program at Lehigh University—In the Works.* Co-presented with A. Jitendra. Learning Disability Association of America, Reno, Nevada, February 16, 2000.

*Friendliness with Fractions.* NCTM Central Regional Conference & School Science and Mathematics Association Annual Conference, Louisville, KY, October, 1998.

*Implementing the National Council of Teachers of Mathematics' Standards.* A week of workshops at the International School of Manila, Philippines, October, 1996.

*Mathematics Assessment. What? How?* A week of workshops at the International School of Bangkok, Thailand, March, 1996.

*Exploring Content Subject Literature in Literacy Methods Courses, Integrating Content Instruction in the College Classroom.* A panel with G. Smith and P. Richards, Symposium at the Annual of the Association of Supervision and Curriculum Development, March, 1996, New Orleans, LA.

*Teaching Reading in the Content Areas.* A panel with G. Smith, J. Simmons, S. McKee, & B. Grugel. International Reading Association Annual Meeting, Anaheim, CA, May, 1995.

*Action in Fractions - Hands-on Thinking Tools.* National Council of Teachers of Mathematics, Annual Meeting, Indianapolis, IN, April, 1994.

*Multiple Perspectives of Computer-Assisted Instruction in the Elementary Classroom.* Co-presented with G. Smith, INFOCOMM and Association of Educational Communications and Technology, Annual Meeting, New Orleans, LA, January, 1993.

*How Computers Change the Learning Environment.* Co-presented with G. Smith, Association of Supervision and Curriculum Development, Annual Meeting, Washington, D.C., March, 1993.

- The Action in Fractions - Hands-on Thinking Tools.* NCTM Canadian Regional Conference, Montreal, Quebec, August, 1992.
- Far-out Fractions: No Limits-Teaching Fractions with Manipulatives.* National Council of Teachers of Mathematics, Annual Meeting, New Orleans, LA, April, 1991.
- Curriculum Tracking in Mathematics and Science.* Co-presented with J. Spade. American Educational Research Association, Annual Meeting, Chicago, IL, April, 1991.
- Perceptions of Teachers Regarding the First Years of Teaching.* Co-presented with R. Leight, Association of Teacher Educators, Annual Meeting, New Orleans, LA, February, 1991.
- Overview of NCTM's Standards and Problem Solving: A Series of Four Seminars.* American School of Guatemala, Guatemala City, Guatemala, SA, August, 1991.
- A Pocketful of Perplexing Problems.* School Science and Mathematics Association, Annual Meeting, Cincinnati, OH, 1990.

### **Regional**

- Using Children's Trade Books a Dynamic Teaching Tools in Elementary Classrooms.* Co-presented with A. Moe, K. Brown, & S. B. Collard III. 22<sup>nd</sup> Southeast IRA Regional Conference, Biloxi, MS, December 1, 2004.
- Leadership and Excellence for Administrators in Pennsylvania Schools (LEAPS).* Pennsylvania Department of Education and Pennsylvania Academy for the Profession of Teaching and Learning. Harrisburg, PA, January 31 & February 1, 2003.
- Homework: A powerful instructional tool,* Radio Talk Show, WHYI, Marty Moss-Coane, FM91, August 28, 2001.
- Early immersion in meaningful teaching: School-University collaboration in a summer school program.* Pennsylvania Association of College Teacher Educators, Harrisburg, PA, October, 2000.
- Calculators: An Electronic Manipulative for Developing Number Sense.* NCTM Eastern Regional Conference, Philadelphia, PA, October, 2000.
- Calculators: An Electronic Manipulative for Thinking.* Pennsylvania Council of Teachers of Mathematics, 48<sup>th</sup> Annual Meeting, Lake Harmony, PA, March, 1999.
- A Unified Elementary and Special Education Certification Program at Lehigh University—In the Works.* Co-presented with A. Jitendra & L. Kern. Pennsylvania Federation Council for Exceptional Children, 40<sup>th</sup> Annual Convention, Harrisburg, PA, November, 1999.
- Friendliness with Fractions.* NCTM Eastern Regional Conference, Cleveland, OH, November, 1997.
- Friendliness with Fractions.* NCTM Eastern Regional Conference, Philadelphia, PA, November, 1995.
- Fascinating Fractions - A Hands-on Approach.* NCTM Eastern Regional Conference, Pittsburgh, PA, October, 1993.
- Fascinating Fractions - A Hands-on Approach.* NCTM Eastern Regional Conference, Columbus, Ohio, September, 1992.
- Overview of NCTM Standards for School Mathematics.* Gloucester Township School District, Keynote Address, Gloucester, New Jersey, May, 1992.
- Overview of the Standards.* South Jersey Area Schools, Berlin, NJ, April, 1992.
- Writing: A Tool for Teaching Middle Level Mathematics.* Pennsylvania Council of Teachers of Mathematics Annual Meeting, Valley Forge, PA, March, 1992.

- Overview of the Standards.* Wilkes-Barre Area School District, Wilkes-Barre, PA, February, 1992.
- Teaching Mathematics Developmentally.* Principals of the Diocese of Pittsburgh, Pittsburgh, PA, January, 1992.
- Hands-on Problem Solving: Activities, Ideas, and Games.* NCTM Central Regional Conference, Louisville, KY, October, 1991.
- Fabulous and Fascinating Fractions.* NCTM Southeastern Regional Conference, Baltimore, MD, October, 1991.
- Fun and Fascinating Fractions.* Elementary Workshop. Pennsylvania Council of Teachers of Mathematics, Pittsburgh, PA, March, 1991.
- Software for Diagnostic and Prescriptive Mathematics, K-12.* DPMA Conference, Capital Area Intermediate Unit, Summerdale, PA, November, 1990.

### **Local**

- PRIME: Partners Realizing Improvement in Mathematics Education, Estimation/Mailing Investigation,* Northampton Community College. November 4, 2004
- Peer-Led Team Learning Training.* Training Undergraduate students as Peer Leaders. NSF Grant. Lehigh University. August 25, 2004.
- Bethlehem Area School District, Constructivist Approach to Teaching Mathematics, Freedom High School, Sept. 30, 2004
- PRIME: Investigations and Everyday mathematics,* Northampton Community College, Two week course, July, 2004.
- Peer-Led Team Learning Training.* Training Undergraduate students as Peer Leaders. NSF Grant. Lehigh University. September 5 & 6, 2003.
- SCIME II: Data Driven Mathematics in Grades 3-5.* Northampton Community College. June 30-July 10, 2003.
- Science, Technology, Engineering, and Mathematics: Theory Into Practice,* NSF Two Week Workshop, Coordinator and Instructor, July and August, 2003.
- Problem Solving & Measurement.* Eisenhower Grant Follow-up Workshop. Northampton Community College. April 24, 2003.
- Data Driven Mathematics in Grades 3-5,* Two Week Course, Eisenhower, Northampton Community College, July 2003.
- Measurement NCTM Standards: Metric System,* Levels 3-5, Northampton Community College, Eisenhower Grant, April 24, 2003.
- Algebraic Reasoning,* Levels 3-5, Northampton Community College, Eisenhower Grant, February 25, 2003.
- Integrating Mathematics and Other Disciplines for Elementary Teacher,* Levels 3-5, Two Week Course, Eisenhower, Northampton Community College, July, 2002.
- Geometry for Elementary Teachers,* Levels K-6, Two Week Course, Eisenhower Grant, Northampton Community College, July, 2001.
- Representations: The New Process Standard,* Levels K-2, Intermediate Unit 20, May, 2001.
- Multiple Intelligences and Learning Styles,* Levels K-12, Intermediate Unit 20, April, 2001.
- Implementing NCTM's Principles & Standards in School Mathematics,* Levels K-6, Eisenhower Grant, Pleasant Valley School District, August, 2000.
- Teaching Mathematics Through Projects,* Levels 3-5, Eisenhower Grant, Northampton Community College, July, 2000.

- PowerPoint Workshops for Teachers K-12*, Eisenhower Grant, Northampton Community College, June, July, August, 1999.
- Technology & Assessment*, Levels 3-5, Two Week Course, Eisenhower Grant, Northampton Community College, July, 1999.
- Team-Teaching Across Disciplines*, Faculty Development & Learning Innovations Program, Lehigh University, October, 1999.
- Family Relationships: Facts vs. Fiction*, Training Institute of Early Head Start Workshops, Lehigh Valley Hospital, November, 1999.
- Calculators in the Elementary Classroom, K-4 & 5-6*, Washington Township Elementary, NJ, October, 1998.
- Report on AAHE Conference*, Faculty Development & Learning Innovations Program, Lehigh University, April, 1998.
- Mathematics Made Easy*. WGPA Radio Station, 1100 AM, Parenting Matters, Bethlehem, PA, February, 1998.
- Using the Internet to Teach Mathematics*, Two Week Course, Eisenhower Grant, Northampton Community College, July, 1998.
- Implementing Technology: Internet, Graphing Calculators, E-mate*, Phillipsburg School District, April, 1998.
- Teaching Mathematics Through Art*. Diocese of Bethlehem, Bethlehem Catholic High School, June, 1997.
- Mathematics in the 21st Century*. Quakertown School District, Quakertown High School, September, 1997.
- Learning Styles/Teaching Styles*. Faculty Development and Teacher Assistant Orientation, Lehigh University, 1993.
- Calculating Mentally: A Real-life Skill*. MathConn93, Cedar Crest College, 1993.
- The Standards and Implications for Curriculum*. Curriculum Resource Series, Intermediate Unit 20 & 21, October, February, and April, 1992.
- Integrating Writing and Mathematics*. The Lehigh University Middle Level Institute II, Bethlehem, PA, March, 1991.
- Far-out Fractions: No Limits*. MathConn91, Cedar Crest College, 1991.
- Mathematics Education: A View for the Curriculum Coordinator*. Curriculum Council at Intermediate Unit 20, 1991.
- Teaching Mathematics/Science for Concept Development*. Mathematics/Science Conference, Reading, PA, 1990.
- Effective Teaching Strategies*. Faculty Development Inservice and Teacher Assistant Orientation, Lehigh University, 1990-92.
- Diversity Awareness Workshops*. Lehigh University Faculty and Centennial School Faculty, 1990.

Numerous other local presentations to school districts and professional organizations.

## **Teaching and Advising**

### **Dissertation Chair**

- Lisa Slawter. (2004). Students' Perceptions of Assessment in the Elementary School
- Michelle Olhson. (2004). A Study of the Relationship between High-Stakes State Assessment Programs and Classroom Assessment methodologies

- Kristel Pfeil Kemmerer. (2003). Relationship Between the Number of Hours Spent in General Music Class and Reading Skills in Kindergarten through Grade 4.
- Richard, Barno. (2003). The Selection Process and Performance of Former Home-Schooled Students at Pennsylvania's Four-Year Colleges and Universities.
- Nancy Kolodziej. (2002). The Relationship Between Informing Parents of Both the Rationale and the Reported Benefits of Using Invented spelling and the Parents' Attitudes Towards the Use of Invented Spelling.
- Mary Ellen Kueny. (2001). A study of the long term effects of a prefirst grade program on students' academic achievement and students' psychosocial domain characteristics as measured in seventh or eighth grade.
- Kathryn Dech. (2000). Profiles of discontinued reading recovery students and program reading recovery students.
- Lubov Iskold. (1999). An empirical study of the effectiveness of group video viewing in a comprehension-based Destinos Curriculum in Spanish.
- Carolyn Coyle. (1998). A history of educational publishing based on the experiences of the Silver Burdett Company and the transformation of the publishing process.
- Kathleen Hartman (1998). Critical incidents affecting developmental college freshmen's use and transfer of textbook reading and study strategies.
- Grigoruk, Melissa. (1997). The relationship of constructivism to language and mathematics learning.
- Couchara, Sr. Carol Anne. (1997). The supervisory role of the cooperating teacher: A study of critical incidents which influenced student teachers.
- Ballard, Connie. (1997). The relationship between self-concept, academic performance, and school perception by African-American elementary children.
- Hanlon, Sr. Martha. (1996). The governance relationship between the Sisters of Mercy and College Misericordia.
- Kistler, Barbara. (1995). Mathematics preparation of elementary teachers in Pennsylvania.
- Kramer, Pamela A. (1994). The role of the university in meeting the needs of first year teachers.
- Bray, Jane. (1994). A comparison of teacher concerns for the non-traditional student teacher and the traditional student teacher.

### Academic Advising

	2004	2003	2002	2001	2000
Undergraduate	26	23	21	91	83
Graduate	19	34	38	24	30

### Courses Taught at Lehigh University (Spring 2000-Spring 2004)

- Educ 419 Mathematics in Elementary Education (Spring, 2000), 20 enrolled; (Summer, 2000), 11; (Spring, 2001), 7 enrolled; (Spring, 2002), 20 enrolled; (Summer, 2002), 6 enrolled
- Educ 394 Communicating and Teaching Science (Spring, 2000), 14; (Spring, 2001), 7 enrolled . Jointly developed and taught with Dr. DeLeo
- Educ 413 Intern Supervision (Spring, 2000) 8 enrolled, observations in the field
- Educ 417 Participation in Teaching (Summer, 2000), 11 enrolled, observations in the field at Pennridge High School and Summerbridge; (Spring, 2001), 7 enrolled; (Summer, 2001), 2 enrolled



Educ 433	Teaching Mathematics in Middle Level and High School (Fall, 2000), 4 enrolled; (Fall, 2001), 7 enrolled
Educ 429	Child Development (Fall, 2000), 31 enrolled; (Summer, 2002), 9 enrolled
EdT/Educ 446	Technology-based Teaching and Learning: Foundations and Issues (Fall, 2001), 64 enrolled, Jointly developed and taught with Dr. Cates, implementing new technologies
EdT/Educ 449	Technology-based Teaching and Learning: Assessment and Implementation (Spring, 2002) 59 enrolled, Jointly developed and taught with Dr. Cates, implementing new technologies
TBTE 448	Mathematics in Middle Level & High School Education (Spring, 2003), 10 enrolled; (Spring, 2004), 8 enrolled; (Fall, 2004) 6 enrolled
TBTE 428	Mathematics in Elementary Education (Spring 2003), 10 enrolled; (Summer, 2003, Course 1), 11 enrolled; (Summer, 2003, Course 2), 13 enrolled; (Spring, 2004), 13 enrolled; (Summer, 2004, Course 1), 14 enrolled; (Summer, 2004, Course 2), 12 enrolled
TBTE 401	Technology-based Teaching and Learning: Foundations and Issues (Fall, 2003), 25 enrolled
TBTE 402	Technology-based Teaching and Learning: Assessment and Implementation (Spring, 2003), 21 enrolled; (Spring, 2004), 20 enrolled
TBTE 461	Participation in Teaching (Fall, 2003), 30 enrolled, Double course load, supervision in 20 different schools; (Fall, 2004), 29 enrolled, 2 sections, supervision in 18 different schools
Educ 495	Independent Study (Spring, 2000), 1 enrolled; (Fall, 2001), 2 enrolled; (Summer, 2001), 1 enrolled; (Spring, 2001), 3 enrolled; (Summer, 2002), 1 enrolled; (Spring, 2003), 1 enrolled; (Spring, 2004), 1 enrolled
Educ/TBTE 499	Dissertation (Spring, 2000), 3 enrolled; (Fall, 2000), 2 enrolled; (Spring, 2001), 3 enrolled; (Fall, 2001), 3 enrolled; (Spring, 2002), 2 enrolled; (Fall, 2002), 3 enrolled; (Spring, 2003), 4 enrolled; (Summer, 2003), 1 enrolled; (Fall, 2003), 5 enrolled; (Spring, 2004), 3 enrolled

### Curriculum Development

**Learning Sciences and Technology Doctorate (LST)** New doctoral program across colleges, housed in the College of Education, but involves faculty from all four colleges, interdisciplinary and highly collaborative, member of the workgroup

**Technology-based Teaching and Learning-Shared Core** Implementing new technologies into the teacher certification program, i.e. Digital Portfolios, Blackboard, Internet, iMovie, Inspiration, Dreamweaver MX, etc.

**The 5-Year Bachelor's and Master's Combined Degree Program** Developed and coordinate the 5<sup>th</sup> Year Masters and certification program in the College of Education for undergraduates in the Arts and Sciences, Engineering, and Business Colleges

## **Service University**

Campus Restoration and Enhancement Plan Review Committee, 2004-Present  
 Advisory Board for STAR-Students That Are Ready, 2004-Present  
 Student Life Policy Review Committee, 2002-2003  
 Faculty Compensation Committee, 2000-2003  
 Candidate's Day, 1995-2003  
 Forum Steering Committee, 1996-1999  
 Faculty Discipline Committee, 1995-1998, 2004-Present  
 Faculty Development, 1990-1998  
 Summer Sessions Advisory Committee, 1993-94, 1996-97  
 Community Action Committee, Steering Committee, 1991-92  
 President's Advisory Board on Child Care, 1991-1997  
 Faculty Disciplinary Appeals Committee, 1991-1993 1999-2000; Chair, 1992-93,  
 2000-2004; Chair 2002-2004  
 English as a Second Language Advisory Committee, 1992-1998  
 Lehigh Valley Educational Cooperative, 1990-1993  
 Women's Commission, 1989-1991  
 Diversity Awareness Trainer, 1991-92  
 Coordinator of Minor in Education Program, 1989-Present  
 Phi Beta Delta Honor Society, Vice-President, 1992-94  
 Lehigh University Cosmos Club, 1991-93

## **Professional Activities**

PRIME: Partners Realizing Improvement in Mathematics Education, Mentoring  
 sixteen teachers in classroom, implementing constructivist/standards-based  
 approach to teaching mathematics  
 Seminar to Enhance Statewide Coordination of K-12 Academic Standards with  
 Postsecondary Specific Teacher Education Program Guidelines, Pennsylvania  
 Department of Education-Mathematics, University of Pittsburgh-Johnstown,  
 PA, by invitation June 16-18, 2003.  
 Pennsylvania Department of Education Review Team Member, Shippensburg  
 University, Widner University, University of Pittsburgh, Bloomsburg  
 University, Indiana University of Pennsylvania (2001).  
 Board of Trustees, Roberto Clemente Charter School, 2002-Present  
 Curriculum Advisory Board, Roberto Clemente Charter School, 1999-2002  
 Advisory Board Students That Are Ready (STAR), Lehigh University Outreach,  
 2004-Present  
 Summerbridge Advisory Board, Chair of the Education Committee, 1996-1997  
 Bethlehem Area Vocational-Technical School Advisory Board, 1992-1996  
 America 2000-Task Force #4-Mathematics and Science, 1992-93  
 CCD Teacher, St. Thomas More, 1989-93

## **Professional Affiliations**

Member, National Council of Teachers of Mathematics  
 Member, Pennsylvania Council of Teachers of Mathematics

Member, Association of Mathematics Teacher Educators  
Member, Phi Delta Kappa  
Member, Delta Kappa Gamma  
Member, Association for Curriculum and Development  
Member, Pennsylvania Association of College Teacher Educators  
Member, Phi Beta Delta  
Member, Lehigh Valley Association for Academic Women

**Consultantships**

School Districts

Pennsylvania:

Allentown School District  
Bethlehem Area School District  
Carbon Lehigh Intermediate Unit 21  
Colonial Northampton Intermediate Unit 20  
Delaware Valley School District  
Diocese of Bethlehem  
Diocese of Pittsburgh  
East Stroudsburg Area School District  
Easton Area School District  
Lower Moreland School District  
Northampton Area School District  
Northwestern Lehigh School District  
Parkland School District  
Pen Argyl Area School District  
Pleasant Valley School District  
Quakertown Community School District  
Salisbury Township School District  
Saucon Valley School District  
Springfield Township School District  
Spring-Ford Area School District  
Wilkes-Barre Area School District

New Jersey:

Blairstown Township Public Schools  
Gloucester Township School District  
Harmony Township Public Schools  
North Warren Regional Public Schools  
Phillipsburg School District  
South Jersey Area Public Schools  
Vernon Township School District

Maryland:

Charles County School District

Colleges

Northampton Community College

Industry

IBM Instructional Specialist

**Publishers**

Addison-Wesley Publishing Company  
D. C. Heath Company  
Harcourt Brace, Inc., School Department  
Scholastic, Inc.