

**Rhona H. Cummings**  
**Associate Professor, Mathematics Education**  
**College of Education, Department of Curriculum & Instruction**  
**East Tennessee State University**  
**Johnson City, TN**

**ACADEMIC DEGREES**

- Ed.D. – University of Houston, Houston, TX – 1988  
Curriculum & Instruction (concentration in mathematics education)
- M.Ed. – University of North Dakota, Grand Forks, ND – 1973  
(Concentration in elementary education – open classroom approach)
- B.A. – Connecticut College, New London, CT – 1972  
(Major in sociology/anthropology)

**PROFESSIONAL EXPERIENCE**

- January, 1991 – present – East Tennessee State University, Department of Curriculum and Instruction, Johnson City, TN; Assistant Professor, (math education, instructional technology, principles of teaching and learning, educational foundations, and supervision of student teachers); election to graduate faculty (March, 1991 renewed, March, 1994, March, 1998, April 2004); Promoted to Associate Professor, September, 1996. Became Program Coordinator for the Elementary MAT program in August, 1997; assumed duties of MAT Program Coordinator Elementary and Secondary July 1, 2002
- 1994 – 95 academic year – Consultant to the South Bend, IN, school district; helping teachers to enhance their teaching of mathematics using manipulatives with the aid of computer technologies
- August, 1990 – December, 1990 – University of Houston, University Park; Visiting Assistant Professor (elementary math methods) and Principal Investigator, Eisenhower Grant No. R168A90165, “Probability, Geometry, and Problem Solving In-service for K-8 Teachers of Mathematics”
- August, 1989 – July, 1990 – University of Houston, University Park; Visiting Assistant Professor, (math education and instructional technology – graduate courses)
- January – August, 1989 – University of Houston, University Park; Post-Doctoral Research Associate (developing mathematics staff development materials for the Texas Education Agency)
- Spring, 1989 – University of Houston, University Park; Lecturer (elementary math methods)
- Fall, 1988 – University of Houston, University Park; Graduate Assistant (elementary math methods)
- Summer, 1988 – University of St. Thomas, Houston, TX: lecturer (elementary and secondary math methods, - graduate level)
- June, 1987 – December, 1988 – University of Houston, University Park; Program Administrator, Indonesian Leadership Project (World Bank grant)
- January, 1986 – August, 1986 – University of Houston, University Park; Project Assistant, Texas coordinating Board/University of Houston Master Teaching Project (junior school mathematics)
- July – August, 1985 – Diagnostic Learning Center, University of Houston, Houston, TX: Mathematics Coordinator

**CERTIFICATION**

- Texas - #033-38-2359 Lifetime Professional Elementary (K-8) Certificate #04918; Certificate of Competency to Teach Computer Literacy Certifiable as a supervisor in the State of Texas
- Massachusetts - #159013 – Certified as an Elementary Teacher (K-8), and Elementary Principal

**PUBLICATIONS/PAPERS**

- Perry, L.A. & Cummings, R. (2001). Keep a poem in your pocket (or on your hard drive!). Connecticut English Journal, 26, 36-39.
- Cummings, R.H. (Editor). Resource guide to exemplary educators and educational programs in the northeast Tennessee area. Prepared for Project TOAST, 1996.
- Cummings, R.H. (Fall, 1994) “Some ideas for managing manipulatives.” *Centroid*, 21 (2) 26-30.
- Perry, L.A. & Cummings, R. (Fall, 1994). “Learning computer vocabulary in an enjoyable way.” *Tennessee Reading Teacher*, 23 (1). 16-19.
- Cummings, R.H. “Attribute Materials Address the NCTM Standards” (submitted, summer, 1995, *Oregon Mathematics Teacher*)
- Cummings, R. (1994). Final Report, “Teaching and Assessing Mathematics with Manipulatives” (a Tennessee Higher Education Commission Eisenhower grant)

- Cummings, R.H. (1993). Final Report, "Enhancing Elementary Mathematics Instruction Through Technology" (a Tennessee Higher Education Commission Eisenhower grant)
- Cummings, R.H. (1990) Final Report, Eisenhower grant #R168A90165, "Probability, Geometry, and Problem Solving In-service for K-8 Teachers of Mathematics,"

### **GRANTS AND AWARDS**

- Appalachian Educational Laboratory's Region 1 Team Leader 1999-present. The purpose is to train area teachers in math and science curriculum.
- Conference Board of the Mathematical Sciences- Participated in the National Summit on the Mathematics Education of Elementary Teachers; the ETSU team received a \$3000 planning grant from Exxon-Mobile foundation, Fall, 2001
- American Association of State Colleges and Universities- 2001- co-authored grant with members of the math department to improve the mathematics preparation of pre-service K-8 teachers; grant was funded for \$4,000.00.
- Proposal funded, Tennessee Department of Education, Project TOAST: Title One Assistance and Support Teams. (August, 1995 – June, 1997, funded for \$100,000) – Project Director
- Proposal funded, Tennessee Higher Education Commission Eisenhower grant, "Teaching and Assessing Mathematics with Manipulatives." (for 1993-1994 academic year; funded for \$28,943) – Project Director
- Proposal funded, Appalachian Regional commission (responsible for budget portion of proposal), (for 1994-96; proposal has been funded for ~ \$105,00)
- Proposal funded, Tennessee Higher Education Commission Eisenhower grant, "Improving Elementary Mathematics, Teaching Through Technology." For 1993-1994 academic year; funded for \$29,957.00) Project Director
- Principal Investigator, Eisenhower grant #R168A90165, "Probability, Geometry, and Problem Solving In-service for K-8 Teachers of Mathematics," a national award.

### **PROFESSIONAL PAPERS and PRESENTATIONS**

- Creating the Electronic Portfolio. Presentation proposal submitted to the Tennessee Educational Technology Conference, November, 2005.
- Planning a Telecollaborative Project: a Hands-On Session. Presentation proposal accepted for the Tennessee Educational Technology Conference, Nashville, Fall, 1999.
- Distance Mathematics: Telecollaborative Projects for Mathematics Learning. A presentation at the annual national conference of the national Council of Teachers of Mathematics, Washington, D.C., April 1998.
- Telecollaborative Project in the Elementary School. A presentation at the annual Tennessee Educational Technology conference, Nashville, November, 1998.
- Telecollaborative Projects for Science and Math. A Presentation at the annual Tennessee Educational Technology Conference of the National Science Teachers Association, Nashville, TN. December, 1997
- Assessing Mathematics. Paper presented at the NCTM Annual Conference, Minneapolis, April, 1997.

### **PROFESSIONAL MEMBERSHIPS**

- National Council of Teachers of Mathematics  
 Association for Supervision and Curriculum Development  
 National Middle Schools Association  
 National Association for the Preparation of Middle Level Educators  
 Tennessee Council of Supervisors and Leaders in Mathematics  
 Education (Secretary/Treasurer 1994-1997)  
 Tennessee Council of Teachers of Mathematics  
 Upper East Tennessee Council of Teachers of Mathematics  
 Association of Mathematics Teacher Educators  
 International Society for Technology in Education  
 Phi Delta Kappa

### **PROFESSIONAL SERVICE ACTIVITIES**

- Referee, Arithmetic Teacher (now Teaching Children Mathematics) (1989-present)
- Referee, Teaching Mathematics in Middle School (1993 - present)
- Member, Teacher Advisory Panel, Mathematics Teacher (1993-1995)
- Reviewer for instructional materials, Arithmetic Teacher (1992-present)
- Reviewer, Focus on Learning Problems in Mathematics (1989-1990)

Grant reviewer, National Science Foundation (Summer, 1994)

Grant Reviewer, U.S. Department of Education, Spring, 2000, reviewing PT3 grants