

# Patricia Koontz, Ph.D

Professor  
TLC  
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## Education

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<b>Ph.D., Curriculum &amp; Instruction</b> Kent State University	<b>1983</b>
<b>B.S., Elementary Certification</b> Kent State University	<b>1982</b>
<b>M.Ed., Chemistry &amp; Mathematics</b> Kent State University	<b>1972</b>
<b>B.S., Secondary Certification: Chemistry &amp; Mathematics</b> Kent State University	<b>1970</b>

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## Other Professional Experience

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<b>Invited to participate on group panels to identify future gender issues and concerns in mathematics, science, and technology education.</b> National Institute for Science Education (NISE), Detroit, MI.	<b>5/2000 - 5/2000</b>
<b>Invited participant on Standards for Preschool and Kindergarten Mathematics Education, February, 2000. Arlington,</b> National Council of Teachers of Mathematics (NCTM), Arlington, VA. <i>(One representative per state was selected.)</i>	<b>2/2000 - 2/2000</b>
<b>Workshop Program Co-Chair National Conference</b> Association for Educators of Teachers of Science (AETS), Akron, Ohio	<b>1/2000 - 1/2000</b>
<b>Extended Sessions Program Committee</b> National Council of Teachers of Mathematics (NCTM), Cleveland, Ohio. <i>1997 Regional Meeting</i>	<b>8/1997 - 8/1997</b>

**Registration Committee,**

8/1997 - 8/1997

National Council of Teachers of Mathematics (NCTM) 1997 Regional Meeting Cleveland, Ohio.

**Book Reviewer**

8/1994 - 8/1998

American Association of Physics Teachers, AAPT,

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**Publications**


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Koontz, T. (2000). *Faces of the Future: Primary Teachers in a Gender Fair Classroom*. In From Policy to Action for Sustainable Development in the 21st Century. Ghana Educational Service, Ghana, Africa. refereed. (9 pages) 2000

Publication: *Book Chapters*

Friedl, A. & Koontz, T. (2000) Teaching Science to Children: An Inquiry Approach (5th Edition), McGraw-Hill, New York. 378 pages. 2000

Publication: *Books Authored*

Koontz, McNichols, Benner, Briggs, Kasten (2000, in press). Coordinator and Section writer: How to Help Your Students with the K-4 Proficiency Test @ Ohio Model Competency-Based Mathematics Program. Ohio Department of Education Division of Curriculum, Instruction, and Professional Development (invited & refereed) 2000

Publication: *Journal Articles, Refereed*

Koontz, T. (September, 1999). Pre-K to K Philosophy, Algebra, and Estimation Strands. Ohio Model Competency-Based Mathematics Program Pre-K -Kindergarten Curriculum Standards. Ohio Department of Education Division of Curriculum, Instruction, and Professional Development. (Invited & refereed) 1999

Publication: *Journal Articles, Refereed*

Koontz, T. (1999). Operation Chemistry. Eisenhower Grant Evaluation Report. Grant evaluator. 1999

Publication: *Other*

Koontz, T. (1997). *Know Thyself: The Evolution of an Intervention Gender Equity Program*. In J. Trentacosta & M. Kenney (Eds.), National Council of Teachers of Mathematics Yearbook, Multicultural and Gender Equity in the Mathematics Classroom: The Gift of Diversity. Reston, Virginia. National Council of Teachers of Mathematics, 186-194. 1997

Publication: *Book Chapters*

Koontz, T. (1996). *Every Teacher a Researcher: A Key to Reform*. In R. K. Banerjee (Ed.) Towards Sustainable Development, Achieving the 4E=s: Education, Employment, Equity, Empowerment. SATWAC Foundation, Ahmedabad, India. 270-278. refereed. 1996

Publication: *Book Chapters*

Davis, G., Kasten, M., Koontz, T. & Mikesell, A. (1996). Section contributor. Model Mathematics Assessments. (2nd grade contributor). Ohio Council of Teachers of Mathematics Standards Task Force and the Ohio Department of Education Division of Curriculum, Instruction, and Professional Development. (Kasten and Mikesell were directing the overall K-8 project and together contributed less than 5% to this section)(Invited & refereed) 50%. 1996

Publication: *Journal Articles, Refereed*

Koontz, T. (May, 1996). (Review of) Crank's, Quarks, and the Cosmos. *The Physics Teacher* 34 (5). 308. 1996  
Publication: *Reviews*

Koontz, T. (January, 1996). (Review of) Fear of Math: How to Get Over it and Get on with Your Life. *The Physics Teacher* 34 (1). 56. 1996  
Publication: *Reviews*

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## Service

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**Member, North Central Evaluation Math Team** 2000 - present  
*Ashtabula City Schools*  
Type: *Community*

**Program Convention Committee, Ohio Council of Teachers of Mathematics** 2000 - 2000  
Type: *Professional Service*

**Member, Middle Childhood Faculty Appeals Committee** 1999 - present  
Type: *Department*

**Co-Chairperson, Science Search Committee** 1999 - 2000  
Type: *Department*

**Poster Presentation, UTC Scholarship of Teaching Conference** 1999 - 1999  
*with Dr. Joanne ArharAn Integrated Approach to Middle Childhood Education, 1999*  
Type: *University*

**Panel Member, UTC Scholarship of Teaching Conference** 1999 - 1999  
*Evaluating Teacher Artifacts, 1999*  
Type: *University*

**Nominated for Distinguished Teaching Award, Kent State University** 1999 - 1999  
Type: *Awards & Honors*

**Member, Middle Childhood representative for Yield reception** 1998 - 1999  
Type: *Department*

**Member, Middle School Cohort Diversity Subcommittee** 1998 - 1998  
Type: *Department*

**Member, Universal University Requirements Committee (formerly LER committee)** 1998 - 1999  
Type: *University*

<b>Science Fair Judge, Portage County Schools</b>	<b>1998 - 1998</b>
<i>Type: Community</i>	
<b>Reviewer , Ohio Department of Education for Middle Childhood Science Programs</b>	<b>1998 - 1999</b>
<i>Type: Professional Service</i>	
<b>Reviewer , Ohio Department of Education for Middle Childhood Math Programs</b>	<b>1998 - 1999</b>
<i>Type: Professional Service</i>	
<b>Nominated for Distinguished Teaching Award, Kent State University</b>	<b>1998 - 1998</b>
<i>Type: Awards &amp; Honors</i>	
<b>Member, Elementary Education Faculty &amp; Scholarship Committee</b>	<b>1997 - 1998</b>
<i>Also a member for 1992 and 1994</i>	
<i>Type: Department</i>	
<b>Member, Department Chair Search Committee</b>	<b>1997 - 1997</b>
<i>Type: Department</i>	
<b>Provost Committee Member, University Promotion and Tenure Committee Nominations</b>	<b>1997 - 1997</b>
<i>Type: University</i>	
<b>Poster Presentation, UTC Scholarship of Teaching Conference</b>	<b>1997 - 1997</b>
<i>Gender Equity Issues in Methods Courses, 1997</i>	
<i>Type: University</i>	
<b>Member, Education Policy Council</b>	<b>1997 - 1998</b>
<i>Type: University</i>	
<b>Media Committee , Ohio Department of Education Math Task Force</b>	<b>1997 - present</b>
<i>Type: Professional Service</i>	
<b>University Teaching Council Summer Teaching Award, Kent State University</b>	<b>1997 - 1997</b>
<i>Type: Awards &amp; Honors</i>	
<b>Member, University Teaching Council</b>	<b>1996 - 1996</b>
<i>UTC Summer Grant Proposal Review Subcommittee, 1996</i>	
<i>Type: University</i>	
<b>Science Fair Judge, Portage County Schools</b>	<b>1996 - 1996</b>

Type: *Community*

**Annual Conference/Program Co-Chair., National Aeronautics and Space Administration (NASA)** 1996 - 1999

*John Glenn Research Center, Cleveland Ohio. 1996, 1997, 1998, and 1999.*

Type: *Offices Held*

**Member, Faculty Advisory Committee** 1995 - 2000

Type: *Department*

**Member, College Advisory Committee CAC** 1995 - 1999

*CAC Co-chair, 1997-1998 Personnel Subcommittee, 1995-1997 Evaluation Committee, 1997-1998 Campus system Subcommittee, 1998-1999*

Type: *College*

**Presenter, Project Discovery, Math/Science Regional IHE** 1995 - 1998

Type: *Direct Service*

**Member, University Teaching Council** 1994 - 1998

Type: *University*

**Staff Development Leader, Eastern Region Professional Development Center** 1994 - present

Type: *Community*

**Member, Search Committee, Educational Psychology and Technology** 1993 - 1996

*Alan Evans, Chair*

Type: *College*

**Member, College Undergraduate Curriculum Committee** 1993 - 1997

*This committee critiqued approximately 90 programs sent to the Ohio Department of Education for review. Advising Subcommittee 1996*

Type: *College*

**Member, Parking Service Advisory Board** 1993 - 1996

Type: *University*

**Member, Elementary Education Appeals Committee** 1991 - present

Type: *Department*

**Member, Computer & Related Technologies Committee (CART)** 1991 - 1996

Type: *College*

**Professional Development Leader , Ohio Department of Education Math Task Force Regional** 1989 - present

Type: *Professional Service*

**Member, Ohio Council of Teachers of Mathematics/Ohio Department of Education Math Task Force** 1989 - present

Type: *Professional Memberships*

**Reviewer, Ohio Journal of School Mathematics** 1989 - present

Type: *Professional Service*

**Director, Mathematic Specialist Program** - present

*The director recruits and advises students, and coordinates this graduate validation program. About 8-12 students/year.*

Type: *Department*

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## Grants

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**Faculty Associate, Instructional Resource Center Faculty Grants** 2000 - 2000

Collaboration with: Koontz, T.

Submitted: \$875.00

Status: Awarded

Awarded: \$875.00 (03 2000)

Kent State University - Service

**, Understanding Physical Science through Hands-on technology** 2000 - 2001

Collaboration with: Koontz, T., Emmons, T. & Lee, M.

Submitted: \$32,945.00

Status: Awarded

Awarded: \$32,945.00 (06 2000)

Ohio Learning Network - Training

**Faculty Associate, Instructional Resource Center Faculty Grants** 1999 - 1999

Collaboration with: Koontz, T.

Submitted: \$1,050.00

Status: Awarded

Awarded: \$1,050.00 (02 1999)

Kent State University - Service

**Faculty Associate, University Teaching Council Award** 1999 - 1999

*Collaborative Teaching Middle Childhood Education*

Collaboration with: Koontz, T.

Submitted: \$650.00

Status: Awarded

Awarded: \$650.00 (08 1999)

Kent State University - Training

**, KSU/NASA Student Symposium** 1998 - 1999

Collaboration with: Koontz, T., Keller, D.

Submitted: \$2,450.00

Status: Awarded

Awarded: \$2,450.00 (09 1998)  
National Aeronautics and Space Administration - Applied Research

**Faculty Associate, University Teaching Council Teaching Award**

**1997 - 1997**

*Math and Science Methods: Inquiry Based Teaching*

Collaboration with: Koontz, T.

Submitted: \$6,500.00

Status: Awarded

Awarded: \$6,500.00 (06 1997)

Kent State University - Training

**Co PI, Space Science for Middle Grade Teachers II**

**1996 - 1998**

Collaboration with: Koontz, T., Keller, D.

Submitted: \$197,458.00

Status: Awarded

Awarded: \$197,458.00 (05 1996)

National Aeronautics and Space Administration - Applied Research

**Co PI, KSU/NASA Summer Institute in Space Science for Middle Grade Teachers**

**0 - present**

Collaboration with: Koontz, T., Keller, D.

Submitted: \$101,706.00

Status: Awarded

Awarded: \$101,706.00 (05 1995)

National Aeronautics and Space Administration - Applied Research