

CURRICULUM VITAE

KENNETH PAUL KING

EDUCATION

Northern Illinois University, Ed. D. degree in Curriculum and Instruction (1998).

- Cognate in science education
- Dissertation director: Thomas E. Thompson.

Northern Illinois University, M.S. Ed. in Curriculum and Supervision (1990).

Iowa State University, B.S. in Psychology with minor in Physics (1985).

EXPERIENCE

Administrative Positions in Higher Education

Roosevelt University, Chicago and Schaumburg, IL. (2009). Department of Curriculum Studies, Department Chair.

Roosevelt University, Chicago and Schaumburg, IL. (2008). Department of Teaching and Learning, Assistant to the Chair.

- Composed SPA report for program accreditation

Academic Positions in Higher Education

Roosevelt University, Chicago and Schaumburg, IL. (2008 – present). Associate Professor, Department of Curriculum Studies, College of Education. Faculty member in Elementary Education, Specialization in Science Education; (2006 – 2008). Assistant Professor, Department of Teaching and Learning, College of Education. Faculty member in Elementary Education, Specialization in Science Education.

Undergraduate Courses taught:

- Teaching Science in the Elementary School (ELED 325)

Graduate Courses taught:

- Historical and Philosophical Foundations of Education (ELED 405)
- Methods of Teaching Science in the Elementary and Middle School (ELED 426)
- Curriculum and Methods in Elementary Classroom (ELED 435)
- Inquiry in the Classroom (EDUC 480)

Northern Michigan University, Marquette, MI. (2004 - 2005). Associate Professor, School of Education. Specialization in Science Education.

Undergraduate Courses taught:

- Physical Science for Educators (MSED 250)
- Science Methods and Materials for Elementary Teachers (ED 312)
- Independent Study: Topics in Elementary Science Education (ED 298)

Northern Illinois University, DeKalb, IL. (2002 - 2004). Associate Professor, Department of Teaching and Learning. Faculty member in Elementary Education, Specialization in Science Education; (1998 - 2002). Assistant Professor, Department of Teaching and Learning. Faculty member in Elementary Education, Specialization in Science Education.

Undergraduate Courses taught:

- Elementary School Curriculum and Instruction: Field Experience (CIEE 383)
- Independent Study in Elementary Education (CIEE 497)
- Teaching Science in the Elementary School (TLEE 344)

Graduate Courses taught:

- Teaching Physical Science in the Outdoors (TLCI 525)
- Teaching Science in the Elementary School (TLEE 532)
- Developing an Elementary School Science Program (TLEE 533)
- Seminar in Elementary Education (TLEE 560)

- Workshop in Elementary Education (TEDU 590B)
 - Infusing Technology into Instruction
 - Developing Physical Science Content Knowledge
- Independent Study in Elementary Education (TEDU 597)
- Teaching Practicum in Elementary Education (TEDU 582B)

Northern Illinois University, DeKalb, IL. (1995-1998). Instructor and Graduate Assistant, Department of Curriculum and Instruction.

Undergraduate Courses taught:

- Teaching Science in the Elementary School. (CIEE 344)
- Seminar in Elementary School Student Teaching (CIEE 460)
- Elementary School Curriculum & Instruction: Student Teaching (CIEE 485)

Positions in Public School Teaching

School District 303, St. Charles, IL. (2005 – 2006). Science Teacher, St. Charles North High School.

- Taught courses in physics.

School District U-46, Elgin, IL. (1986-1995). Science Teacher, Elgin High School.

- Taught courses in physics, general science, and physical science.
- Supervised students in independent research projects in physics.
- Sponsored student extracurricular organizations.
- Actively participated in committee work and led staff development programs within district.

PUBLICATIONS

Books and Book Chapters

King, K. P. (2007). *Integrating the National Science Education Standards into classroom practice*. Columbus, OH: Prentice Hall.

King, K. P. (2001). *Technology, science teaching and literacy: A century of growth*. New York: Kluwer.

King, K. P. (2001). Automation, innovation, participation: Infusing technology into the social studies. In Farris, P. J., *Elementary and middle school social studies: An integrated approach* (pp. 350-372). Boston: McGraw-Hill.

Journal articles

Refereed—Published

Henning, M. B., Peterson, B. & King, K. P. (in press). Infusing Science-Technology-Society into an Elementary Teacher Education Program: The Impact on Preservice Teachers. *Teacher Education & Practice*.

King, K. P. (2007). Inertial mass. *Science Scope*, 31(4), 28-35.

Henning, M. B. & King, K. P. (2005). Implementing STS in the elementary classroom: From university courses to elementary classroom. *Bulletin of Science, Technology, and Society*, 25(3), 1-6.

King, K. P. (2005). Making sense of motion. *Science Scope*, 27(5), 22-26.

King, K. P. (2004). Ever fly a tetrahedron? *Science Scope*, 26(6), 25-29.

Milson, A. J. & King, K. P. (2001). Investigating science-technology-society issues with prospective elementary school teachers. *The International Social Studies Forum*, 1(2), 77-87.

King, K. P., Shumow, L., & Lietz, S. (2001). Science education in an urban elementary school: Case studies of teacher beliefs and classroom practices. *Science Education*, 85(2), 89-110.

King, K. P. & Wiseman, D. L. (2001). Comparing science efficacy beliefs of elementary education majors in integrated and non-integrated teacher education coursework. *Journal of Science Teacher Education*, 12(2), 143-153.

King, K.P. (2000). Educational television: "Let's Explore Science." *The Journal of Science Education and Technology*, 9(3), 227-246.

- King, K.P. (1999). "One hundred percent efficiency:" The use of technology in science education since 1900. *Journal of the Association for History and Computing*, 2(2), 109 paragraphs. Retrieved from August 5, 1999 from <http://www.mcel.pacificu.edu/JAHC/JAHC112/ARTICLES112/King/KING.HTML> [1999, August 5]
- King, K. P. (1999). The motion picture in science education: "One hundred percent efficiency." *Journal of Science Education and Technology*, 8(3), 211-226.
- King, K. P. & Thompson, T. E. (1998). Project Storm Front. *Science Scope*, 21(1), 46.
- King, K. (1996). Addressing superstitious beliefs through science activities. *Science Activities*, 33(3), 20 - 22.
- Saiz, D. & King, K. (1992). Painless graphing. *The Science Teacher*, 59(9), 48.

Refereed—Under Review

- King, K. P. (submitted for review). "Deal Me In": Using Playing Cards to Develop Science Concepts. Submitted to the *Science Scope*.

Non-Refereed

- King, K. P. (2008, March). *Back to School: Reflections on a Science Educator's One-year Return to High School Science Teaching within the Context of the National Science Education Standards*. Paper published in the proceedings of the Midwest Association for Teacher Education, Lafayette, IN. In Richards, T.J. *Proceedings of the 2007 Conference of the Midwest Association for Teacher Education*. (CD) Lebanon, IL: Midwest Association for Teacher Education.
- King, K. P. (2004, March). *Creating interactive science experiences using multimedia*. Paper published in the proceedings of the Society for Information Technology and Teacher Education, Atlanta, GA. In Ferdig, R. & Crawford, C. *Proceedings of the 2004 Conference of the Society for Information Technology and Teacher Education* (pp. 4684-4689). Atlanta, GA: Society for Information Technology and Teacher Education.
- King, K. P. & Milson, A. J. (2002). Interdisciplinary instruction in a science methods course: Applying STS. Paper published in the proceedings of the Association for the Education of Teachers of Science, Charlotte, NC. In P. Rubba, J. Rye, W. DiBiase & B. Crawford (Ed.), *Proceedings of the 2001 Annual International Conference of the Association for the Education of Teachers in Science* (pp. 1230 - 1254). Charlotte, NC: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 465 602).
- King, K. P., & Thompson, T. E. (2001). STARS: Evaluating the use of video technology for modeling science process skills. Paper published in the proceedings of the annual meeting of the Association for the Education of Teachers of Science, Akron, OH. In P. Rubba, J. Rye, W. DiBiase & B. Crawford (Ed.), *Proceedings of the 2001 Annual International Conference of the Association for the Education of Teachers in Science* (pp. 96-114). Costa Mesa, CA: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 453 083)
- King, K. P., & Thompson, T. E. (2001). TEAM: Staff development and mentoring for urban elementary teachers, preservice teachers, and students. Paper published in the proceedings of the annual meeting of the Association for the Education of Teachers of Science, Akron, OH. In P. Rubba, J. Rye, W. DiBiase & B. Crawford (Ed.), *Proceedings of the 2001 Annual International Conference of the Association for the Education of Teachers in Science* (pp. 799-816). Costa Mesa, CA: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 453 083)
- King, K. P., Shumow, L. & Lietz, S. (2000). Science education in an urban elementary school: Case studies of teacher beliefs and classroom practices. Paper published in the proceedings of the annual meeting of the Association for the Education of Teachers of Science, Akron, OH. In P. Rubba, J. Rye, & P. Keig (Ed.), *Proceedings of the 2000 Annual International Conference of the Association for the*

Education of Teachers in Science. Greenville, NC: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 438 191)

King, K. P., & Thompson, T. E. (2000). Modeling behavior for young scientists: Video technology as a tool for modeling inquiry skills. Paper published in the proceedings of the annual meeting of the Association for the Education of Teachers of Science, Akron, OH. In P. Rubba, J. Rye, P. Keig & W. DiBiase (Ed.), *Proceedings of the 2000 Annual International Conference of the Association for the Education of Teachers in Science*. Greenville, NC: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 438 191)

King, K. P. (1999). 100% Efficiency: Technology and the pursuit of scientific literacy. In P. Rubba, J. Rye, P. Keig & W. DiBiase, (Ed.), *Proceedings of the 1999 Annual International Conference of the Association for the Education of Teachers in Science* (pp. 566 - 593). Greenville, NC: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 431 626)

King, K. P., & Thompson, T. E. (1999). Project TEAM--Improving Pedagogy, Teacher Preparation, and Science Knowledge. In P. Rubba, J. Rye, & P. Keig (Ed.), *Proceedings of the 1999 Annual International Conference of the Association for the Education of Teachers in Science* (pp. 625 - 635). Greenville, NC: Association for the Education of Teachers in Science. (ERIC Document Reproduction Service No. ED 431 626)

Rothery, E., & King, K. (1996). Operation primary physical science: An overview and an opportunity. *Spectrum*, 22(4), 34.

ERIC Documents

King, K. P. (2003). *The WebQuest as a means of enhancing computer efficacy*. (ERIC Document Reproduction Service, No. ED 474 439)

King, K. P. & Milson, A. J. (2002). *Interdisciplinary instruction in a science methods course: Applying Science-Technology-Society*. (ERIC Document Reproduction Service No. ED 465 637)

Thompson, T. E. & King, K. P. (2001). *Project TEAM: Bridging theory and practice in science teacher preparation*. (ERIC Document Reproduction Service No. ED 444 821)

Invited Articles

King, K. P. (2008, Spring). Reports on service learning projects: Elementary school science fair. *Roosevelt University Center for Teaching and Learning Newsletter*, 3(1), 4.

King, K. P. (2004, Fall). The Seaborg Center and elementary education majors: A winning combination for children. *TEACH*, 5, 9.

King, K. P. & Lieberman, J. M. (2004). Introduction. Building a community of scholars, teachers, and leaders in service: The department of teaching and learning in context. *Threshold*, XXX(1), 3-5.

Lieberman, J. M. & King, K. P. (2004). The outro: What's the point? *Thresholds*, XXX(1), 43-45.

King, K. P. & Henning, M. B. (2004). Science-Technology-Society: Promoting reform in elementary education. *Thresholds*, XXX(1), 33-42.

King, K. P., Thompson, T. E. Schmalholz, D., Ball, J., & Herrmann, A. (2000). Project TEAM: Collaborating to change science teaching. *Thresholds*, XXVI(4), 20-28.

Reprints

King, K. P. (2002/1999). "One Hundred Percent Efficiency:" The Use of Technology in Science Education Since 1900. Reprinted in *The Journal of Education, Community, and Values: Interface on the Internet (Interface)*, 2(1), 109 paragraphs. Forest Grove, OR: Berglund Center for Internet Studies, Pacific University. Retrieved March 15, 2002 from <http://bcis.pacificu.edu/journal/2002/03/king.php>

Instructional Pamphlets

King, K. P., & Thompson, T. E. (1999). *S.T.A.R.S.—Students thinking about real science: Teacher's guide--Inferring*. DeKalb, IL: Northern Illinois University.

King, K. P., & Thompson, T. E. (1999). *S.T.A.R.S.—Students thinking about real science: Teacher's guide--Classifying*. DeKalb, IL: Northern Illinois University.

Thompson, T. E., & King, K. P. (1999). *S.T.A.R.S.—Students thinking about real science: Teacher's guide--Controlling variables*. DeKalb, IL: Northern Illinois University.

Video

Thompson, T. E. & King, K. P. (1999). [Videotape] *S.T.A.R.S.—Students thinking about real science: Inferring*. DeKalb, IL: Northern Illinois University.

Thompson, T. E. & King, K. P. (1999). [Videotape] *S.T.A.R.S.—Students thinking about real science: Classifying*. DeKalb, IL: Northern Illinois University.

Thompson, T. E. & King, K. P. (1999). [Videotape] *S.T.A.R.S.—Students thinking about real science: Controlling variables*. DeKalb, IL: Northern Illinois University.

Thompson, T.E. & King, K.P. (1997). [Videodisc] *Capturing excellence: Infusing technology I*. DeKalb, IL: Northern Illinois University.

Computer-assisted Instructional Tutorials

King, K. P., Thompson, T. E., & Wallace, S. R. (1997). *Capturing excellence: Infusing technology I*. DeKalb, IL: Northern Illinois University.

Thompson, T. E., King, K. P., & Wallace, S. R. (1997). *Capturing excellence: Infusing technology II*. DeKalb, IL: Northern Illinois University.

Thompson, T. E., King, K. P., & Wallace, S. R. (1997). *Capturing excellence: Methods of teaching*. DeKalb, IL: Northern Illinois University.

Web Sites

King, K. P. & Cannon, J. R. (2003). *Merrill Education's Link to Science Education Resources*. Retrieved 2003 February 2, from http://wps.prenhall.com/chet_science_cluster_1

Liner Notes

King, K. P. (2005). Composed liner notes for *Stand-ins for decibels: A tribute to the dB's*. [CD]. Portland, OR: Paisley Pop Records.

Unpublished Doctoral Dissertation

King, K. P. (1998). *"100% Efficiency:" Technology and the pursuit of scientific literacy*. Unpublished doctoral dissertation, Northern Illinois University, DeKalb.

PRESENTATIONS TO PROFESSIONAL ORGANIZATIONS

National and International Conferences

King, K. P., Kim, B. & Posada, G. (2010, March). *Inquiring minds, inquiring methods: The science fair as a means of inquiry-based investigations, school-university partnerships, and professional renewal*. Presentation proposal submitted in support of the National Science Teacher's Association annual conference, Philadelphia, PA.

Kim, B. & King, K. P. (2009, January). *Elementary Pre-service Teachers' Understandings about Purposes of Scientific Inquiry*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.

- King, K. P. & Kim, B. (2009, January). *The Science Fair: A Service Learning Experience to Promote Student-directed Inquiry*. Paper presented at the annual meeting of the Association for Science Teacher Education, Hartford, CT.
- King, K. P. (2008, January). *Examining staff development practices in science within the context of the National Science Education Standards*. Paper presented at the annual meeting of the Association for Science Teacher Education, St. Louis, MO.
- King, K. P. (2007, February). *Using STS to develop interdisciplinary instruction for elementary students*. Paper presented at the annual International Association for Science-Technology Society conference, Baltimore, MD.
- King, K. P., Henning, M.B. and Campbell, C. (2005, April). *Science-Technology-Society: Meeting the Challenge of Performance-Based Assessment*. Presentation at the annual meeting of the National Science Teachers Association, Dallas, TX.
- King, K. P. & Henning, M. B. (2005, February). *"You can't do that—we do Australia in November:" Challenges in the development and implementation of STS curriculum for preservice elementary education students*. Paper presented at the annual International Association for Science-Technology Society conference, Baltimore, MD.
- Woods, C. S. & King, K. (2005, January). *Preservice interactive elementary science experiences using multimedia technology*. Presentation at the annual meeting of the Association of Teacher Educators, Chicago, IL.
- King, K. P. & Woods, C. S. (2005, January). *Creating Interactive Science Experiences Using Multimedia Technology*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Colorado Springs, CO.
- King, K. P. (2004, March). *Creating interactive science experiences using multimedia*. Paper presented at the annual meeting of the Society for Information Technology and Teacher Education, Atlanta, GA.
- King, K. P. (2004, February). *Assessing the Impact of Science/Technology/Society Curriculum: Assessing the Effects of STS Units on Elementary School Children's Scientific Thinking*. Paper presented at the annual meeting of the American Association of Colleges for Teacher Education, Chicago, IL.
- Henning, M.B., King, K. P., Campbell, C., Peterson, B. (2004, January). *Developing Science-Technology-Society Curriculum to Improve Student Learning of Science and Social Studies Standards*. Paper presented at the Holmes Partnership Eighth Annual Conference, San Diego, CA.
- King, K. P. & Henning, M. B. (2004, January). *Implementing STS in the Elementary Classroom: From Science and Social Studies Methods Courses to Clinical Experience*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Nashville, TN.
- King, K. P. & Milson, A. J. (2003, February). *There oughta be a law: A (re)consideration of STS in elementary methods coursework*. Presentation at the annual meeting of the National Association for Science, Technology & Society, Baltimore, MD.
- King, K. P. (2003, January). *Preparing Elementary Science Teachers to use Technology: The WebQuest as a Means of Enhancing Computer Efficacy*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, St. Louis, MO.
- King, K. P. (2003, January). *Teaching Science in the Elementary School: Sharing Science Education Syllabi with Colleagues*. Presentation at the annual meeting of the Association for the Education of Teachers of Science, St. Louis, MO.
- King, K. P. & Milson, A. J. (2002, January). *Interdisciplinary instruction in a science methods course: Applying STS*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Charlotte, NC.

- Wiseman, D. L., Elish-Piper, L., King, K. P., Servais, K., & Fulmer, C. (2001, March). *Field experiences in school-university partnerships: Sharing the responsibility for creating caring competent new teachers. Mentors and interns: Influencing science teacher self-efficacy and outcomes expectancy among elementary education majors*. Presentation at the annual meeting of the American Association of Colleges for Teacher Education, Dallas, TX.
- King, K. P. & Thompson, T. E. (2001, January). *STARS: Evaluating the use of video technology for modeling science process skills*. Paper delivered at the annual meeting of the Association for the Education of Teachers of Science, Costa Mesa, CA.
- King, K. P., & Thompson, T. E. (2001, January). *TEAM: Staff development and mentoring for urban elementary teachers, preservice teachers, and students*. Paper published in the proceedings of the annual meeting of the Association for the Education of Teachers of Science, Costa Mesa, CA.
- King, K. P. & Milson, A. J. (2000, October). *Science-Technology-Society: Lessons from an elementary science methods experience*. Presentation at the School Science and Mathematics Association Annual Conference, Albuquerque, NM.
- Milson, A. J. & King, K. P. (2000, June). *Science, technology, and society: Social action in university methods courses*. Presentation at the National Council for the Social Studies Forum 2000: International Conference on Citizenship Education, Calgary, Alberta, Canada.
- King, K. P. & Thompson, T. E. (2000, April). *STARS: Enhancing process skills in elementary students*. Presentation at the annual meeting of the National Science Teachers Association, Orlando, FL.
- Wiseman, D. L., Elish-Piper, L., Downey, P., & King, K. P. (2000, February). *Using a collaborative research process to determine the effectiveness of integrated teacher education methods courses: Comparing science efficacy beliefs of elementary education majors in integrated and non-integrated teacher education coursework*. Presentation at the annual meeting of the American Association of Colleges for Teacher Education, Chicago, IL.
- King, K. P., Shumow, L. & Lietz, S. (2000, January). *Science education in an urban elementary school: Case studies of teacher beliefs and classroom practices*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Akron, OH.
- King, K. P., & Thompson, T. E. (2000, January). *Modeling behavior for young scientists: Video technology as a tool for modeling inquiry skills*. Paper presented at the annual meeting of the Association for the Education of Teachers of Science, Akron, OH.
- King, K. P. (1999, April). *100% Efficiency: Technology and scientific literacy*. Paper presented at the annual meeting of the American Association for History and Computing, Philadelphia, PA.
- Thompson, T. E. & King, K. P. (1999, March). *Project TEAM: Bridging Theory and Practice in Science Teacher Preparation*. Presentation at the annual meeting of the National Science Teachers Association, Boston, MA.
- King, K. P. (1999, January). *100% Efficiency: Technology and the pursuit of scientific literacy*. Paper presented at the annual meeting of the Association for the Education of Teachers, Austin, TX.
- King, K. P., & Thompson, T. E. (1999, January). *Project TEAM--Improving Pedagogy, Teacher Preparation, and Science Knowledge*. Paper presented at the annual meeting of the Association for the Education of Teachers, Austin, TX.
- Thompson, T. E., King, K. P. & Wallace, S. R. (1998, January). *Telecommunications applications for elementary science education: Project Storm Front*. Presentation at the annual meeting of the Association for the Education of Teachers, Minneapolis, MN.

- Thompson, T. E., & King, K.P. (1997, November). *Infusing telecommunications into the science curriculum: Project Storm Front*. Presentation at the annual meeting of the School Science and Mathematics Association, Milwaukee, WI.
- Thompson, T. E., Wiegmann, B. A., Wallace, S., Voelker, A., & King, K. P. (1997, April). *Successful staff development through the use of multimedia*. Presentation at the annual meeting of the National Science Teachers Association, New Orleans, LA.
- Thompson, T. E., Wiegmann, B. A., Wallace, S. R., Voelker, A., & King, K. P. (1997, January). *Interactive multimedia for teacher education*. Presentation at the annual meeting of the Association for the Education of Teachers of Science, Cincinnati, OH.
- Thompson, T. E., Wiegmann, B. A., Wallace, S. R., Voelker, A., Wong, S. A., Wolf, P., & King, K.P. (1996, March). *Interactive multimedia for preservice and inservice elementary science teachers*. Presentation at the annual meeting of the National Science Teachers Association, St. Louis, MO.

State and Regional Conferences

- King, K. P. (2008, November). *Getting into the "Swing" of Things: Inertial Mass*. Presentation at the Illinois Science Teachers Association State Conference, Peoria, IL.
- King, K. P., Buczkiewicz, T., Carmichael, S. M., Ebrom, P. C., Fishman, E., Flaherty, P. E., Graser, C L., Guarino, R. M., Hall, R. A., Luhan, J. L., Mauro, J. M. (2007, November). *From methods course to mainstream practice*. Workshop presented at the Illinois Science Teachers Association State Conference, Peoria, IL.
- King, K. P. (2007, March). *Back to School: Reflections on a Science Educator's One-year Return to High School Science Teaching within the Context of the National Science Education Standards*. Paper presented at the annual meeting of the Midwest Association for Teacher Education, Lafayette, IN.
- King, K. P. & Verville, H. (2005, March). *Who dunnit? Forensic science experiences for the elementary classroom*. Presentation for the Michigan Science Teachers Association annual conference, Detroit, MI.
- King, K. P. (2004, October). *Performance-based assessment: Studies in force and motion for elementary and middle school teachers*. Presentation at the UPMSA/M-A RESA/Seaborg Center Fall conference, Marquette, MI.
- King, K. P. (2004, March). *Creating multimedia tools to support science teaching*. Presentation at the annual conference of the Michigan Association for Computer Users in Education, Grand Rapids, MI.
- King, K. P. (2003, October). *Performance-based assessment: Studies in force and motion for middle school teachers*. Presentation at the Illinois Science Teachers Association State Conference, Peoria, IL.
- King, K. P. (2002, November). *Bell's Tetrahedron: An interdisciplinary unit supporting math, science, and art*. Presentation at the Illinois Science Teachers Association State Conference, St. Charles, IL.
- King, K. P. & King, T. A. (2002, April). *A Modest Infusion of Technology into Science Instruction: The WebQuest as a Means of Meeting the Needs of Preservice Teachers and Elementary Students*. Presentation/demonstration delivered at the annual meeting of the Illinois Association for Educational Communications and Technology, Lisle, IL.
- King, K. P. & King, T. A. (2001, October). *Using Technology to promote inquiry in a middle school classroom: The WebQuest*. Presentation at the Illinois Science Teachers Association--State Conference, Peoria, IL.
- King, K. P. & Thompson, T. E. (2000, October). *Evaluating a video tool for promoting process skill acquisition*. Presentation at the Illinois Science Teachers Association--State Conference, St. Charles, IL.

- King, K. P. (2000, October). *TEAM: Staff development and mentoring for urban elementary teachers, preservice teachers, and students*. Presentation at the annual meeting of the North Central Region of the Association for the Education of Teachers of Science, Eau Claire, WI.
- King, K. P. & Thompson, T. E. (2000, January). *STARS: Using video technology to develop science process skills*. Presentation at the annual meeting of the Illinois Association for Educational Communications and Technology, Chicago, IL.
- Thompson, T. E., King, K. P., & Ball, J. (1999, October). *STARS--Staff Development through Technology: Modeling Inquiry Skills*. Presentation at the Illinois Science Teachers Association--State Conference, Springfield, IL.
- Thompson, T. E., King, K. P., Ball, J., Aravena, M., Figgins, L., & French, A. (1999, October). *STARS--Creating a video-based staff development program*. Presentation at the Illinois Science Teachers Association--State Conference, Springfield, IL.
- King, K. P. (1998, December). *100% Efficiency: Technology and science education, 1900-1990*. Paper presented at the annual meeting of the Illinois Association for Educational Communications and Technology, Lisle, IL.
- King, K. P., & Thompson, T. E. (1998, December). *Infusing interactive multimedia in science education*. Paper presented at the annual meeting of the Illinois Association for Educational Communications and Technology, Lisle, IL.
- Thompson, T. E., & King, K. P. (1998, October). *Project TEAM--Improving Pedagogy, Teacher Preparation, and Science Knowledge*. Presentation at the annual meeting of the Illinois Science Teachers Association, Rosemont, IL.
- Thompson, T. E. & King, K. P. (1998, May). *Project Storm Front: Infusing Telecommunications into the Science Curriculum*. Presentation for the annual meeting of the Center for Mathematics and Science Teaching, Illinois State University, Bloomington, IL.
- Thompson, T. E. & King, K. P. (1997, December). *Project Storm Front*. Presentation at the annual meeting of the Illinois Association for Educational Communications and Technology, Chicago, IL.
- King, K. P., Thompson, T. E. & Wallace, S. R. (1997, October). *Project Storm Front--Staff Development in the Use of Telecommunications*. Presentation at the annual meeting of the Illinois Science Teachers Association, Peoria, IL.
- Thompson, T. E., King, K. P., & Rothery, E. (1997, October). *Project TEAM--Improving Pedagogy, Teacher Preparation, and Science Knowledge*. Presentation at the annual meeting of the Illinois Science Teachers Association, Peoria, IL.
- Thompson, T. E., King, K. P., Motsenbocker, P., & Sims, J. (1997, October). *Project Storm Front: A model for infusing telecommunications into science programs*. Presentation at the annual meeting of the Illinois Science Teachers Association, Peoria, IL.
- Thompson, T. E., & King, K. P. (1997, October). *Capturing Excellence*. Presentation at the ISTA Leadership Conference, Peoria, IL.
- Thompson, T. E. & King, K. P. (1997, April). *Interactive hypermedia for improving science education*. Presentation at the Teacher Education and Technology: Issues and Ideas Conference, Bloomington, IN.
- Thompson, T. E., Wiegmann, B. A., Wallace, S. R., Voelker, A. & King, K. P. (December, 1996). *Successful staff development through the effective use of multimedia*. Presentation at the annual meeting of the Illinois Association for Educational Communications and Technology, Lisle, IL.

Thompson, T. E., Wiegmann, B. A., Wallace, S. R., Voelker, A. & King, K. P. (1996, October). *Infusing technology and interactive multimedia into elementary school staff development*. Presentation at the annual meeting of the Illinois Science Teachers Association--State Conference, Chicago, IL.

Thompson, T. E., Wiegmann, B. A., Wallace, S. R., Voelker, A., Wong, S. A., Wolf, P., & King, K.P. (1995, September). *Interactive multimedia for preservice and inservice elementary science teachers*. Presentation at the Illinois Science Teachers Association--State Conference, Springfield, IL.

Poster Sessions

Refereed

King, K. P. & Henning, M. B. (2004, October). *Developing geographic knowledge through Science-Technology-Society activities*. Poster session delivered at the National Council for Geographic Education annual conference, Kansas City, MO.

King, K. P. (2001, January). *TEAM: Staff development and mentoring for urban elementary teachers, preservice teachers, and students*. Poster session delivered at the annual meeting of the Association for the Education of Teachers of Science, Costa Mesa, CA.

Thompson, T. E. & King, K. P. (1999, June). *Capturing Excellence: Interactive multimedia for teacher education*. Poster session presented at the National Educational Computing Conference annual conference, Atlantic City, NJ.

Thompson, T.E. & King, K. P. (1997, June). *Interactive hypermedia for improving staff development*. Poster session presented at the annual meeting of the Illinois Science Literacy Network Conference, Aurora, IL.

Invited

King, K. P. & Thompson, T. E. (2001, March). *Project TEAM Findings*. Poster session presented at the annual Office of Sponsored Projects exhibition, Northern Illinois University, DeKalb, IL.

King, K. P. & Thompson, T. E. (2000, March). *Project TEAM IV*. Poster session presented at the annual Office of Sponsored Projects exhibition, Northern Illinois University, DeKalb, IL.

King, K. P. & Thompson, T. E. (2000, March). *Modeling behavior for young scientists--field study*. Poster session presented at the annual Office of Sponsored Projects exhibition, Northern Illinois University, DeKalb, IL.

Thompson, T. E. & King, K. P. (1999, March). *Project TEAM III*. Poster session presented at the annual Office of Sponsored Projects exhibition, Northern Illinois University, DeKalb, IL.

Thompson, T. E. & King, K. P. (1999, March). *Modeling behavior for young scientists*. Poster session presented at the annual Office of Sponsored Projects exhibition, Northern Illinois University, DeKalb, IL.

Thompson, T. E. & King, K. P. (1998, March). *Project TEAM*. Poster session presented at the annual Office of Sponsored Projects exhibition, Northern Illinois University, DeKalb, IL.

Invited Presentations

King, K. P. (2004, October). *Performance-based assessment: Studies in force and motion for elementary and middle school teachers*. Presentation delivered twice at the annual conference of the Nebraska Association of Science Teachers, Fremont, NE.

King, K. P. (2003, January). *Promoting inquiry in elementary science education: Integrating instruction and deeper questioning*. Presentation for School District 15, Palatine, IL.

King, K. P. & Thompson, T. E. (2001, March). *STARS—Students Thinking about Real Science*. Invited presentation for Showcase 2001 Faculty exemplars sponsored by Northern Illinois University Faculty Development and Instructional Design Center.

- Day, M. Fitch, K. Hughes, M., King, K., & Milson, A. (2001, February). *Student electronic portfolios*. Staff development meeting sponsored by the Northern Illinois University Faculty Development and Instructional Design Center.
- King, K. P. (2000, October). *"If they can do it in gym class...": A look at authentic assessment in science education*. Keynote address for first annual Smithsonian Research and Diffusion Network conference, Aurora, IL.
- King, K. P. (2000, July). *Promoting inquiry: Best practices in science education*. Invited presentation for Goals 2000 Workshop for staff of Harlem School District, Loves Park, IL.
- Thompson, T. E. & King, K. P. (1999, November). *STARS: Modeling behavior for young scientists*. Invited presentation for the quarterly meeting of the ISBE Scientific Literacy Advisory Council, Aurora, IL.
- King, K. P. (1999, September). *Technology in the public schools*. Invited presentation for Integrating Technology in Instruction seminar, College of Education, Northern Illinois University, DeKalb.
- King, K. P. (1998, July). *Elementary science teacher preparation*. Invited presentation for Goals 2000 Workshop for staff of Harlem School District, Loves Park, IL.
- King, K. P. (1997, March). *Science in the classroom*. Guest speaker for SLATE meeting, Northern Illinois University, DeKalb, IL.
- King, K. P. (1997, February). *Telecommunications and technology in the classroom*. Invited presentation for Chicago Public Schools teaching staff. Staff development program, DeKalb, IL.
- Thompson, T. E., & King, K. P. (1997, January). *Project Storm Front: An overview*. Invited presentation for School District 41 Board of Education, Glen Ellyn, IL.

GRANT-RELATED WORK

Grants Submitted for Funding: External

- Kim, B. & King, K. P. (2008). Honda Corporation Science Education and Technology Grant" "Project IST: Technology, Inquiry, and Science Fair." June 1, 2008 – May 31, 2009. (\$93,405.04) *Not funded*.
- Klett, M., King, K.P., & Lowe, C. (2005). National Aeronautics and Space Administration NOVA Grant: "Developing Inquiry-rich Science Content Courses for Elementary Education Majors." July 1, 2005 – June 30, 2006. (\$29,975).
- Wong, S., Miller, J. S., & King, K. P. (2002). Illinois State Board of Education Science Literacy Grant: "Molecular Biology for High School Teachers" July 1, 2002 - June 30, 2003. (\$57,802) *Not funded*.
- King, K. P. & Adkins, C. R. (2002). Illinois State Board of Education Science Literacy Grant: "Project C.A.S.E.: Collaborative Activities in STS Education" July 1, 2002 - June 30, 2005. (\$129,504). *Not funded*.
- King, K. (2001). Monsanto Corporation. Received funding for science education workshop serving needs of DeKalb county teachers in the area of biotechnology education. (\$1800)
- Farris, P. & King, K. (2001). Illinois State Board of Education Science Literacy Grant: "The Language of Science" July 1, 2001 - June 30, 2002. (\$57,802). *Not funded*.
- King, K. & Milson, A. (2001). Illinois State Board of Education Science Literacy Grant: "Project C.A.S.E.: Collaborative Activities in STS Education" July 1, 2001 - June 30, 2004. (\$132,764). *Not funded*.
- King, K. & Thompson, T. (2000). Illinois State Board of Education Science Literacy Grant: "STARS— Students Thinking About Real Science: Modeling Behavior for Young Scientists." September 1, 2000 - August 31, 2002 (\$158,000). *Not funded*.

- Shumow, L., Smith, H., King, K. (1999). Illinois State Board of Education Science Literacy Grant: "Learning by example: Providing teachers with World Wide Web access to science practices in Illinois schools." September 1, 1999 - August 31, 2002, (\$226,817). *Not funded*.
- Thompson, T. & King, K. (1999). Illinois Board of Higher Education Eisenhower Grant. Funding received for "Project TEAM - Teacher Education for the Approaching Millennium: A Systematic Partnership Bridging Theory and Practice in Science Education," December 15, 1999 - September 30, 2000. (\$45,000).
- Thompson, T. & King, K. (1999). Illinois Board of Higher Education Eisenhower Grant. Funding received for "Project TEAM - Teacher Education for the Approaching Millennium: A Systematic Partnership Bridging Theory and Practice in Science Education," January 15 - September 30, 1999. (\$47,000).
- Thompson, T. & King, K. (1998). Illinois State Board of Education Science Literacy Grant: Funding received for "Modeling Behavior for Young Scientists" September 1, 1998 - August 31, 2000. (\$91,633).

Grants Submitted for Funding: Internal

- Kim, B. & King, K. P. (2008). McCormick Tribune Foundation Service Learning Grant. Development and implementation of community science outreach experiences: Family Science Day at Roosevelt University. Roosevelt University Center for Teaching and Learning. (\$4920)
- Kim, B. & King, K. P. (2007). McCormick Tribune Foundation Service Learning Grant. Development of service learning experiences for elementary science education students working in support of science fair projects designed by elementary education students. Roosevelt University Center for Teaching and Learning. (\$5000)
- Lubig, J & King, K. P. (2005). Development of curriculum map for elementary education program. Northern Michigan University Instructional Improvement Grant. (\$3000)
- King, K. P. (2004). David W. Raymond Grant for the Use of Technology in Teaching. Creating Interactive Science Experiences using Multimedia Technology. PT3 Grant. (\$2500) *Not funded*
- King, K. P. (2004). Creating Interactive Science Experiences using Multimedia Technology. PT3 Grant. (\$2000)
- King, K (2002). Received funding from College of Education in support of developing technology infrastructure for science education laboratory, 1999. (\$5000)
- Thompson, T. & King, K (1999). Received funding from College of Education in support of developing technology infrastructure for science education laboratory, 1999. (\$16,200)
- Thompson, T. & King, K. (1998). Received funding from College of Education in support of developing technology infrastructure for science education laboratory, 1998. (\$13,005)
- King, K. (1997). Committee on the Improvement of Undergraduate Education support for the purpose of infusing technology into the curriculum for methods of teaching elementary science (\$500).
- Thompson, T. & King, K. (1997). Received funding from College of Education in support of developing technology infrastructure for science education laboratory. (\$16,600)
- Thompson, T. & King, K. (1996). Received funding from College of Education in support of developing technology infrastructure for science education laboratory. (\$16,400)

COMMITTEE SERVICE

University Level

Roosevelt University

University Senate (2008 – present)

Information Technology Advisory Committee (2008)

Faculty Issues Committee. (2007 – 2009)

- Served as recorder for committee. (2007 – 2009).

Northern Michigan University

Served as a member of the Admissions and Academic Policies Committee (2004 – 2005)

Northern Illinois University

Served as a member of the Faculty Senate (Substitute—Spring 2004 only)

Served as a member of the Graduate Council (Substitute—Fall 2003 only)

Served as a member of the Graduate Council Standards Committee (Substitute—Fall 2003 only)

Served as a member of the Committee for the Improvement of Undergraduate Education. (2002 - 2003)

Served as a member of the University Honors Committee. (2001 - 2002)

Served as a member of the Undergraduate Coordinating Council. (2000 - 2003)

Served as a member of the provost's search committee for the Director of Media Services (2000-2001)

Served as a member of Dissertation Completion Fellowship Committee. (1999)

Served as the Elementary Education program representative to the Committee on Initial Teacher Certification. (1998 - 2000)

Served on the External Communications Subcommittee of the Committee on Initial Teacher Certification. (1998 - 2000)

Served on the Web Page Subcommittee of the External Communications Subcommittee of the Committee on Initial Teacher Certification. (1998 - 1999)

Served as College of Education student representative to the Graduate Council. (1996 - 1997)

Served as student member of Dissertation Completion Fellowship Committee. (1997)

Served as student member of the Graduate Council Financial Advisory Committee. (1997)

College Level

Roosevelt University

College Council. (2006 – present)

- Chaired council (2007-2008)

Search Committee: Committee member, field placement officer search. (2007 - 2008)

Served as a member of the College of Education Curriculum and Assessment Committee (2008-2010)

Served as a member of the College of Education Technology Committee. (2006-2008).

- Served as recorder for committee (2006-2007)

Northern Illinois University

Served as a member of the College of Education Academic Reinstatement Committee. (1999 - 2004)

Served as a member of the program development team for teacher preparation. (1998 - 1999)

School of Education/Department Level

Roosevelt University

Served as member of the Department of Teaching and Learning peer review committee for promotion and tenure. (2008 - 2009; 2009 – 2010_)

Search Committee: Committee Chair, mathematics education position search team. (2007 - 2008)

Search Committee: Committee Chair, mathematics education position search team. (2006 - 2007)

Northern Michigan University

Undergraduate Review Committee. (2004 – 2005)

- Chaired committee. (2004 – 2005)

Served as a member of the School of Education Bylaws Committee. (2004 – 2005)

Northern Illinois University

Delivered workshop on Faculty Service Report preparation and construction for non-tenured Department of Teaching and Learning faculty members. (2003, November)

Coeditor (with J. Lieberman and C. Adkins) of Teaching and Learning-themed issue of *Thresholds* journal (2002-2004)

Served as a member of the search team for an environmental education faculty member. (2003 - 2004)

Served as a member of the department personnel committee (2002 - 2004)

Served as chair of the search team for an elementary science education faculty member. (2002 - 2003)

Served as chair of the search team for an elementary science education faculty member. (2001 - 2002)

Served as a member of the department chairman search team. (2001 - 2002)

Served as a member of the department curriculum committee. (2001 - 2002)

Served as a member of the department chairman search team. (2000 - 2001)

Served as chair of the search team for an elementary science education faculty member. (2000 - 2001)

Served as a member of an outdoor teacher education faculty search committee. (2000 – 2001)

Served as a member of the student recruitment and retention committee (1999 - 2001).

- Chaired committee 2000-2001.

Served as a member of a secondary education faculty search committee. (1999)

Served as a member of a middle school/secondary education faculty search committee. (1999)

Served as a member of a social studies faculty search committee. (1999)

Served as a member of the department curriculum committee. (1998 - 1999)

Department Level—Other Departments within the College

Served as a member of a literacy education faculty search committee. (2002 - 2003)

Served as a member of an educational psychology faculty search committee. (2000)

SERVICE TO PUBLIC SCHOOLS

Cullen Elementary School, Chicago Public Schools, Chicago, IL. (2009, December). Served as a science fair judge for a middle school science fair program.

Gifford Elementary School, Elgin, IL. (2008, December). Assisted with organization of elementary school science fair. Conducted as part of a service learning experience for Roosevelt University students.

Gifford Elementary School, Elgin, IL. (2008, May). Assisted with organization of elementary school science fair. Conducted as part of a service learning experience for Roosevelt University students.

Conley Elementary School, Algonquin, IL. (2008, April). Participated as an external evaluator for a school science fair.

Gifford Elementary School, Elgin, IL. (2007, December). Assisted with organization of elementary school science fair. Conducted as part of a service learning experience for Roosevelt University students.

Father Marquette Middle School, Marquette, MI. (2005, April). Organized and recruited science education students to serve as judges for a school science fair.

Vandenboom Elementary School, Marquette, MI. (2004, November – 2005, January). Delivered a series of inquiry-based lessons on the topic of magnets to kindergarten students.

Jefferson Elementary School, DeKalb, IL. (2004, March). *Earth Science Activities for Elementary Students*. Developed and implemented a series of inquiry-based experiences for elementary students in the earth science content area.

Jefferson Elementary School, DeKalb, IL. (2003 - 2004). Provided instructional assistance to kindergarten students.

King, K. P. (2001, August). Participated in first-day-of-school instructional activities, Clinton Rosette Middle School, School District 428, DeKalb, IL.

Clinton Rosette Middle School, DeKalb, IL. (2001, May). Provided instructional assistance in the use of telecommunications to sixth grade students.

District 428 Science Committee (2000-2002). Participated as a consultant to the school district science curriculum committee.

District 428 Science Committee (2000, December). Participated in workshop examining best practices in elementary and middle school science education.

Illinois State Board of Education. (2000, October). Served as member of external quality review team. Provided program quality review evaluation for Wilmington High School, Wilmington, IL.

King, K. P. (2000, August). Participated in first-day-of-school instructional activities, Clinton Rosette Middle School, School District 428, DeKalb, IL.

Thompson, T. E., & King, K. P. (2000, June - July). *Project TEAM IV*. Provided staff development training for primary teachers in the science content area. Guided teachers in the development of exemplary science units. Program focus included the development of effective teacher supervision skills and strategies.

Clinton Rosette Middle School, DeKalb, IL. (2000, May). Provided instructional assistance in the use of telecommunications to sixth grade students.

Naperville School District 203. (2000, March). *Promoting Inquiry*. Presented staff development workshop on current practices in inquiry-based science instruction.

- Thompson, T. E., & King, K. P. (1999, April - August). *Project TEAM III*. Provided staff development training for primary teachers in the science content area. Guided teachers in the development of exemplary science units.
- Thompson, T. E., & King, K. P. (1998, April - August). *Project TEAM II*. Provided staff development training for primary teachers in the science content area. Guided teachers in the development of exemplary science units.
- King, K. P. (1998, February). *The one-computer classroom*. Staff development program for staff members of School District 428, DeKalb, IL.
- Thompson, T. E., King, K. P. & Rothery, E. (1997, June). *Project TEAM*. Provided staff development training for primary teachers in the science content area. Assisted in the development of exemplary science units.
- King, K. P. (1997, June). Provided training in the use of interactive multimedia for use in staff development training. Regional Office of Education 13, Salem, IL.
- King, K. P. & Wallace, S. R. (1997, May). Provided staff development training in hands on/minds on approaches to science instruction, School District 428, DeKalb, IL.
- King, K. P. & Wallace, S. R. (1997, April). Provided staff development training in the infusion of technology into science education, School District 428, DeKalb, IL.
- King, K. P. (1996, November). Provided consultation service for identification of technology needs, Clinton Rosette Middle School, DeKalb, IL.
- King, K. P. (1996, February). *Connecting students with technology*. Staff development presentation for Huntley, IL School District, DeKalb, IL.

SERVICE TO COMMUNITY

- Project WET. (2010, March). Workshop provided for educators in the area of environmental education.
- Kane County Forest Preserve District, St. Charles, IL. (2010, March). Delivered environmental education program for elementary-aged children.
- Illinois Science Teacher's Association. (2010, February). Appointed by president, Illinois Science Teacher's Association to lead *New Teacher Development Initiative*.
- National Council, Boy Scouts of America, Naperville, IL. Director, National Camping School. (2010). Served as director for the adult leader training delivered at National Camping School. National Camping School provides adults with training and preparation to supervise the operation of local council scout camps.
- National Council, Boy Scouts of America, Irving, TX. (2009, September – 2010 June). Kodiak Curriculum Task Force. Charged with re-write of leadership development curriculum around an experiential education instructional model.
- Kane County Forest Preserve District, St. Charles, IL. (2009a, September). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2009b, September). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2009, August). Delivered environmental education program for elementary-aged children.

- National Council, Boy Scouts of America, Irving, TX. (2009, August). Delivered learning sessions in outdoor education skills to scout leaders attending courses at the national scout leader training base, Cimarron, NM.
- National Council, Boy Scouts of America, Irving, TX. (2009, April – ongoing). Educational Relationships Task Force. Designed and developed materials to support successful working relationships between scout units (cub scout packs, boy scout troops, and venturing crews) and scouting administrative agencies with local school systems (private schools, parochial schools, and school districts).
- National Council, Boy Scouts of America, Irving, TX. (2009, April – 2010, January). National Camping School Commissioner Task Force. Designed and composed curriculum for camp staff leadership training syllabus.
- National Council, Boy Scouts of America. National Camping School Faculty. (2009, 2008, 2007, 2004a, 2004b, 2003, 2001, 1996, 1992, 1983 - 1990). Instructed adult learners in the planning, implementation, and evaluation of a summer camping program. Topics included staff selection and training, financial accountability, management strategies, program development and marketing.
- Kane County Forest Preserve District, St. Charles, IL. (2008, March). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2008, September). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2008, April). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2008, March). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2008, January). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007, October). Delivered environmental education program for elementary-aged children.
- Project WET. (2007, October). Workshop provided for educators in the area of environmental education.
- Kane County Forest Preserve District, St. Charles, IL. (2007c, September). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007b, September). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007a, September). Delivered environmental education program for elementary-aged children.
- World Organization of the Scout Movement. (2007, July-August). Served as a member of the International Service Team to support the implementation and delivery of the 21st World Scout Jamboree, Chelmsford, Essex, United Kingdom.
- National Council, Boy Scouts of America, Cimarron, NM. (2007, June). National Advanced Youth Leadership Experience pilot session. Served as senior adult leader for youth leadership training camp. Curriculum focused on the use of outdoor/wilderness skills as a vehicle for developing leadership skills.
- Kane County Forest Preserve District, St. Charles, IL. (2007b, May). Delivered environmental education program for elementary-aged children.

- Kane County Forest Preserve District, St. Charles, IL. (2007a, May). Delivered environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007, April). Delivered environmental education program to elementary-aged children.
- Project Learning Tree. (2007b, March). Workshop provided for educators in the area of environmental education.
- Project Learning Tree. (2007a, March). Workshop provided for educators in the area of environmental education.
- Kane County Forest Preserve District, St. Charles, IL. (2007, March). Delivered environmental education program to elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007, February). Delivered environmental education program to elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007b, January). Assisted with environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2007a, January). Assisted with environmental education program for elementary-aged children.
- National Council, Boy Scouts of America, Irving, TX. (2006, December – 2008, January). Trainer's EDGE curriculum development. Participated as a curriculum designer/writer and developer in support of developing a train-the-trainer teaching and assessment program for Boy Scout leaders. Delivered and evaluated pilot course to examine efficacy of training approach developed.
- Kane County Forest Preserve District, St. Charles, IL. (2006b, November). Assisted with environmental education program for elementary-aged children.
- Kane County Forest Preserve District, St. Charles, IL. (2006a, November). Assisted with environmental education program for primary-aged children.
- Project WET. (2006, October). Workshop provided for educators in the area of environmental education.
- National Council, Boy Scouts of America, Cimarron, NM. (2006, June). National Advanced Youth Leadership Experience pilot session. Served as senior adult leader for youth leadership training camp. Curriculum focused on the use of outdoor/wilderness skills as a vehicle for developing leadership skills. Assessed participants and elements of the training camp's curriculum during its pilot year.
- National Council, Boy Scouts of America, Irving, TX (2005, December – 2007, January). National Advanced Youth Leadership Training Task Force. Participated as a curriculum writer and developer in support of the NAYLE program. Developed leadership training curriculum for young adults using Leave No Trace outdoor ethics principles as a vehicle for implementing ethical decision making skills.
- National Youth Leadership Instructor Camp (2005, June). Served as senior adult leader for youth leader training camp. The curriculum focused on the development of knowledge, skills, motivation and confidence for selected junior leaders to enable them to give superior leadership and guidance to their local council Junior Leader Training Conference. Developed instructional models and assessment instruments in support of the program.
- Project WET. (2005, April). Workshop provided for educators in the area of environmental education.

- Project Learning Tree. (2005, April). Workshop provided for educators in the area of environmental education.
- Michigan Department of Education, Lansing, MI. (2005, January). Conducted program reviews for new physical science certification programs under development by Michigan colleges and universities.
- Michigan Department of Education, Lansing, MI. (2004, December). Assisted with the development of physical science content questions for the Michigan Test for Teacher Certification.
- Michigan Department of Education, Marquette, MI. (2004, November). Participated in the development of Physical Science Content Expectations.
- National Junior Leader Instructor Camp (2004, June). Served as senior adult leader for youth leader training camp. The curriculum focused on the development of knowledge, skills, motivation and confidence for selected junior leaders to enable them to give superior leadership and guidance to their local council Junior Leader Training Conference.
- Project WET. (2004, April). Workshop provided for educators in the area of environmental education.
- Society for Information Technology and Teacher Education (2004, March). Served as session presider for the annual SITE Conference, Atlanta, GA.
- Project WET. (2004a, February). Workshop provided for preservice teachers in the area of environmental education.
- Project WET. (2004b, February). Workshop provided for preservice teachers in the area of environmental education.
- Project WET. (2003, November). Workshop provided for preservice teachers in the area of environmental education.
- Project WET. (2003, October). Workshop provided for preservice teachers in the area of environmental education.
- Project WET. (2003, July). Workshop provided for graduate level preservice teachers in the area of environmental education.
- National Junior Leader Instructor Camp (2003, June). Served as senior adult leader for youth leader training camp. The curriculum focused on the development of knowledge, skills, motivation and confidence for selected junior leaders to enable them to give superior leadership and guidance to their local council Junior Leader Training Conference.
- Project WET. (2003, May). Workshop provided for graduate level preservice teachers in the area of environmental education.
- Project WET. (2003, March). Workshop provided for preservice educators and graduate students in the area of environmental education.
- Project WET. (2002, March). Workshop provided for preservice educators and graduate students in the area of environmental education.
- Assessment of Professional Teaching: Secondary Content Advisory Committee. (2002, November). Provided feedback for Illinois State Board of Education regarding content standards for secondary science learning standards.
- Project WET. (2002, November). Workshop provided for preservice educators in the area of environmental education.

Project WET. (2002, September). Workshop provided for preservice educators in the area of environmental education.

Science Standards Validation Committee. (2002, August). Provided consultation/feedback for Illinois State Board of Education supporting performance descriptors for science learning standards.

National Junior Leader Instructor Camp (2002, June). Served as adult leader for youth leader training camp. The curriculum focused on the development of knowledge, skills, motivation and confidence for selected junior leaders to enable them to give superior leadership and guidance to their local council Junior Leader Training Conference.

Project WET. (2002, July). Workshop provided for preservice educators in the area of environmental education.

Early Childhood Science Day. (2002, March). Hands on science workshop for early childhood program.

Project WET. (2002a, February). Workshop provided for preservice educators in the area of environmental education.

Project WET. (2002b, February). Workshop provided for preservice educators in the area of environmental education.

Wood Badge training program, Boy Scouts of America. (2001, August-September). Provided leadership (60 participants, 20 staff members, \$13,000 budget) for an eight-day outdoor education and leadership skills training conference. Addressed advanced training needs for scout leaders for a multi-county area.

National Junior Leader Instructor Camp (2001, June). Served as adult leader for youth leader training camp. The curriculum focused on the development of knowledge, skills, motivation and confidence for selected junior leaders to enable them to give superior leadership and guidance to their local council Junior Leader Training Conference.

Project Learning Tree. (2001, June). Workshop provided for preservice educators in the area of environmental education.

Project WET. (2001, April). Workshop provided for preservice educators in the area of environmental education.

Fermi National Accelerator Laboratory, Educational Outreach Programming. (2001, March). Provided consultation services for development of teacher training program designed to enhance the physical science content knowledge of preservice elementary teachers.

Project WET. (2000, November). Workshop provided for preservice educators in the area of environmental education.

Project WET. (2000, July). Workshop provided for graduate students in outdoor education in the area of environmental education.

National Junior Leader Instructor Camp (2000, June). Served as adult leader for youth leader training camp. The curriculum focused on the development of knowledge, skills, motivation and confidence for selected junior leaders to enable them to give superior leadership and guidance to their local council Junior Leader Training Conference.

Project WET. (2000, March). Workshop provided for preservice educators in the area of environmental education.

Project WET. (2000, February). Workshop provided for preservice educators in the area of environmental education.

Project WET. (1999, September). Workshop provided for preservice educators in the area of environmental education.

School District 428 Curriculum Council. (1999 - 2003). Served as a community member representative for the local school district curriculum committee.

Project WET. (1999, April). Workshop provided for preservice educators in the area of environmental education.

Project WET. (1998, September). Workshop provided for preservice educators in the area of environmental education.

SERVICE BEYOND THE UNIVERSITY

Professional Memberships

National and International Organizations

Association for Supervision and Curriculum Development (1992 - present)

Association for Science Teacher Education (formerly the Association for the Education of Teachers of Science) (1996 - present)

National Association for Research in Science Teaching (1999 - present)

National Science Teacher's Association (1989 - present)

- NSTA/NCATE Program Review Board (2008 – 2011)
- NSTA/NCATE Program Review Board (2005 – 2006)

School Science and Mathematics Association (1997 - present)

- Member of the Publications Committee (2000 - 2003)

State and Regional Organizations

Illinois Association for Educational Communications and Technology (1996- 2004)

Illinois Science Teachers Association (1996 – present)

- ISTA Board of Directors (2010 – present). Appointed by ISTA president to lead an ad hoc committee designed to meet the needs of Illinois Science teachers during their professional induction period.
- Key Leader (2007 – present).

Michigan Science Teachers Association (2004 – 2005)

Midwest Educational Research Association (1993 - present)

Professional Service beyond the University

Professional Organizations

National Council for Accreditation of Teacher Education

- Board of Program Reviewers (2010 – present)

American Association of Colleges for Teacher Education

- NCATE Board of Examiners (2008-2011)

Association for Science Teacher Education

- Technology Committee (2008-2011)

National Science Teachers Association

- NSTA/NCATE Program Review Board (2008 – 2011)
- NSTA/NCATE Program Review Board (2005 – 2006)

School Science and Mathematics Association

- Publications Committee. (2000 – 2003)

Journal Reviews

Editorial Board, *Journal of the Association for History and Computing*. (2000 - 2005)

Review Board, *Contemporary Issues in Technology and Teacher Education*. (2000 - 2005)

Review Board, *Electronic Journal of Science Education*. (1999-present)

Program Reviews

Reviewed proposals submitted for the annual meeting of the Association for Science Teacher Education, Sacramento, CA (2010)

Reviewed proposals submitted for the annual meeting of the American Educational Research Association, San Diego, CA (2009)

Reviewed proposals submitted for the annual meeting of the Association for Science Teacher Education, St. Louis, MO (2008)

Reviewed proposals submitted for the annual meeting of the Association for Science Teacher Education, Portland, OR (2006)

Reviewed proposals submitted for the annual meeting of the National Association for Research in Science Teaching, Dallas, TX (2004)

Reviewed proposals submitted for the annual meeting of the National Association for Research in Science Teaching, Philadelphia, PA (2002)

Reviewed proposals submitted for the annual meeting of the Association for the Education of Teachers of Science, St. Louis, MO. (2002)

Reviewed proposals submitted for the annual meeting of the Association for the Education of Teachers of Science, Austin, TX. (1999)

Book and Prospectus Reviews

Provided pre-publication review for Charlesworth, R. & Lind, K., *Math and Science for Young Children (5th edition)*. Belmont, CA: Thompson-Delmar.

Provided prospectus review for (Author not disclosed). *Active teaching and learning strategies: Blueprints for success*. Thousand Oaks, CA: Corwin.

Provided pre-publication review for revision of Krajcik, J. E., Czerniak, C. M., & Berger, C. F. *Teaching Children Science: A Project-Based Approach* Boston: McGraw-Hill.

Provided pre-publication review for 2004 revision of Victor, E. and Kellough, R. D. *Elementary and middle school science. (10th edition)*. Upper Saddle River, NJ: Prentice Hall.

Provided pre-publication review for Martin, D. J. *Elementary science methods: A constructivist approach (9th edition)*. Belmont, CA: Wadsworth.

Provided pre-publication review for (Author not disclosed). *50 Social studies strategies*. Upper Saddle River, NJ: Prentice Hall.

Provided pre-publication review for Marlow, L. and Inman, D. *Interdisciplinary social studies methods activities*. Upper Saddle River, NJ: Prentice Hall.

Provided prospectus review for *Author not disclosed*. *50 Social studies strategies*. Upper Saddle River, NJ: Prentice Hall.

Provided pre-publication review for Victor, E. and Kellough, R. D. (2000). *Elementary and middle school science*. (9th edition). Upper Saddle River, NJ: Prentice Hall.

Provided pre-publication review for *Author not disclosed*. *Science in action*. Upper Saddle River, NJ: Prentice Hall.

Published Book Reviews

King, K. P. (2001, October). Review of *Giants of Science: Thomas A. Edison*, by Sproule, A. (2000). Woodbridge, CT: Blackbirch Press. Review in *Science Scope*, 24(2), 74-75.

King, K. P. (2001, September). Review of *Giants of Science: Albert Einstein*, by Macdonald, F. (2000). Woodbridge, CT: Blackbirch Press. Review in *Science Scope*, 24(1), 80-81.

King, K. P. (2001, September). Review of *Giants of Science: Alexander Graham Bell*, by Pollard, M. (2000). Woodbridge, CT: Blackbirch Press. Review in *Science Scope*, 24(1), 87-88.

King, K. P. (2001, September). Review of *Giants of Science: Marie Curie*, by Birch, B. (2000). Woodbridge, CT: Blackbirch Press. Review in *Science Scope*, 24(1), 91.

NSTA Recommends

Provided reviews for *NSTA Recommends* (a web site providing reviews of science education materials for teachers). Reviewed the following works:

King, K. P. (2002). Review of *Science Pathways of Discovery* by Amato, I. (2002). New York: Wiley. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=13178>

King, K. P. (2002). Review of *The five biggest ideas in science* by Wynn, C. M. & Wiggins, A. W. (1997). New York: Wiley. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12042>

King, K. P. (2002). Review of *Square wheels and other easy-to-build, hands-on science activities* by Rathjen, D. & Doherty, P. (2002). San Francisco: Exploratorium. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12868>

King, K. P. (2001). Review of *Giants of Science: Alexander Graham Bell* by Pollard, M. (2000). Woodbridge, CT: Blackbirch Press. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12290>

King, K. P. (2001). Review of *Marie Curie: Courageous pioneer in the study of radioactivity* by Birch, B. (2000). Woodbridge, CT: Blackbirch Press. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12291>

King, K. P. (2001). Review of *Giants of Science: Thomas Edison* by Birch, B. (2000). Woodbridge, CT: Blackbirch Press. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12292>

King, K. P. (2001). Review of *Albert Einstein: Genius behind the theory of relativity* by MacDonald, F. (2000). Woodbridge, CT: Blackbirch Press. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12289>

- King, K. P. (2001). Review of *International encyclopedia of science and technology* by Oxford University Press. (1999). New York: Oxford University Press. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12216>
- King, K. P. (2001). Review of *Gear up! Marvelous machine projects* by Good, K. (1999). Minneapolis, MN: Learner Publications. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=11734>
- King, K. P. (2000). Review of *Solids, liquids, and gases* by Ontario Science Center. (1998). Buffalo, NY: Kids Can Press. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=11620>
- King, K. P. (2000). Review of *How the future began: Machines* by Gifford, C. (1999). New York: Kingfisher. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=11659>
- King, K. P. (2000). Review of *Science by design series: Construct a glove* by TERC. (2000). Arlington, VA: National Science Teachers Association. Retrieved on September 25, 2003 from <http://www.nsta.org/recommends/product.asp?id=12147>
- Fraser, G. (2000). *Antimatter: The ultimate mirror*. New York: Cambridge University Press.
- O'Hare, M. (Ed.). (1998). *The last word: Questions and answers from the popular column on everyday science*. New York: Oxford.

Grant Reviews

- National Aeronautics and Space Administration. (2004, December). Provided grant reviews for NASA's *Inspiring the Next Generation of Earth Explorers: Integrated Solutions for K-16 and Informal Education*.
- Michigan Association for Computer Users in Learning (2004, January) Provided grant reviews for the Michigan Association for Computer Users in Learning TAPS program.
- Illinois Department of Natural Resources (2003, November). Reviewed grant applications for 2003 Schoolyard Habitat Program.
- Illinois State Board of Education. Reviewer for Scientific Literacy Grants (2001)
- United States Department of Education. Reviewer for Technology Innovation Challenge Grants competition. (1999)

Promotion and Tenure Reviews

- Reviewed promotion and tenure papers for Dr. Andrew J. Milson, Baylor University. (2003)

Other Reviews

- King, K. P. (2003, August). Review of *What's in the Bag?* by Marshall Crenshaw. Razor & Tie Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=798>
- King, K. P. (2003b, July). Review of *Luxor* by the Robyn Hitchcock. Editions PAF. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=763>
- King, K. P. (2003a, July). Review of *Out in the Community* by the Quags. Paisley Pop Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=762>
- King, K. P. (2003b, May). Review of *Time Machine* by the Windbreakers. Paisley Pop Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=640>

- King, K. P. (2003a, May). Review of *These Stars Are For You* by the Saving Graces. Paisley Pop Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=643>
- King, K. P. (2003b, April). Review of *Under the House* by the Tim Lee. (2003). Paisley Pop Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=586>
- King, K. P. (2003a, April). Review of *Want One?*, by the Broken Hearts. (2003). Paisley Pop Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=590>
- King, K. P. (2003d, January). Review of *Poignance through Pravda*, by Claude Pate. (2002). KB Recs. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=466>
- King, K. P. (2003c, January). Review of *The Red Bedroom* by Mark Mallman. (2002). Guilt-Ridden Pop Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=461>
- King, K. P. (2003b, January). Review of *Light Green Leaves* by Little Wings. (2002). K Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=458>
- King, K. P. (2003a, January). Review of *Sha Sha* by Ben Kweller. (2002). ATO Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=446>
- King, K. P. (2002, October). Review of *Save Rock and Roll* by The Flaming Sideburns. (2002). Jet Set Records. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=352>
- King, K. P. (2002, September). Review of *Hello From Waveland* by Strangeway. (2002). Mt. Fuji Records/Roam Records. Review in *Junkmedia*, 1, 57. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=296>
- King, K. P. (2002, August). Review of *Song to the Siren: Live in San Sebastian* by Damon and Naomi with Kurihara. (2002). Sub Pop Records. Review in *Junkmedia*, 1, 56. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=290>
- King, K. P. (2002, July). Review of *Knock Knock Knock* by Hot Hot Heat. (2002). Sub Pop Records. Review in *Junkmedia*, 1, 52. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=256> [15 September 2002]
- King, K. P. (2002a, June). Review of *Robyn Sings* by Robyn Hitchcock. (2002). Editions PAF Records. Review in *Junkmedia*, 1, 48. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=231>
- King, K. P. (2002b, June). Review of *Moustache* by Farrah. (2002). Ark 21 Records. Review in *Junkmedia*, 1, 47. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=224>
- King, K. P. (2002c, June). Review of *EP* by Hope in Ghosts. (2002). (self-released). Review in *Junkmedia*, 1, 46. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=213>
- King, K. P. (2002a, May). Review of *On* by The Imperial Teens. (2002). Merge Records. Review in *Junkmedia*, 1, 45. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=209>
- King, K. P. (2002b, May). Review of *Pure Energy* by The Busy Signals. (2001). Sugar Free Records. Review in *Junkmedia*, 1, 44. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=202>
- King, K. P. (2002a, March). Review of *A-flutter* by The Santiago Steps. (2002). Dorcal Monster Records. Review in *Junkmedia*, 1, 37. Available: Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=154>

- King, K. P. (2002b, March). Review of *Beat Surf Fun* by Tullycraft. (2002). Magic Marker Records. Review in *Junkmedia*, 1, 36. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=147>
- King, K. P. (2002c, March). Review of *Eau de Vie* and *5* by Green. (2001/1998). Jettison Music/B Track Records. Review in *Junkmedia*, 1, 35. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=142>
- King, K. P. (2002a, January). Review of *Sound Go Round* by Dressy Bessy. (2002). Kindercore Records. Review in *Junkmedia*, 1, 30. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=119>
- King, K. P. (2002b, January). Review of *The Essential Radio Birdman (1974-1978)* by Radio Birdman. (2001). Sub Pop Records. Review in *Junkmedia*, 1, 30. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=118>
- King, K. P. (2002d, January). Review of *All Tie Zur* by Rick Altizer. (2001). Not Lame Records. Review in *Junkmedia*, 1, 29. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=112>
- King, K. P. (2002e, January). Review of *Six Years of Power Pop* by Various Artists. (2001). Not Lame Records. Review in *Junkmedia*, 1, 25. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=102>
- King, K. P. (2001a, December). Review of *Stuck in the Chimney* by Various Artists. (2001). Parasol Records. Review in *Junkmedia*, 1, 25. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=91>
- King, K. P. (2001b, December). Review of *Stuck in the Chimney* by Various Artists. (2001). Parasol Records. Review in *Junkmedia*, 1, 25. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=91>
- King, K. P. (2001a, November). Review of *Fiesel* by Fiesel. (2001). The Losing Blueprint Records. Review in *Junkmedia*, 1, 20. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=76>
- King, K. P. (2001b, November). Review of *Thank You, But Our Princess Is In Another Castle* by Andrew Wagner. (2001). The Losing Blueprint Records. Review in *Junkmedia*, 1, 20. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=72>
- King, K. P. (2001c, November). Review of *Showtime* by Tommy Keene. (2001). Parasol Records. Review in *Junkmedia*, 1, 20. Retrieved on September 25, 2003 from <http://www.junkmedia.org/?i=71>
- King, K. P. (2001d, November). Review of *Gimme Indie Rock, v. 1* by Various Artists. (2000). K-Tel Records. Review in *Junkmedia*, 1, 19. Retrieved on September 25, 2003 from http://www.junkmedia.org/reviews/gimmie_indie.html

PROFESSIONAL DEVELOPMENT

- National Council, Boy Scouts of America, Cimarron, NM. (2009, July). Received advanced training in the implementation of international activity programming for youth.
- The Grantsmanship Center. (2009, January) Received training in developing successful grant applications.
- National Council, Boy Scouts of America, Cimarron, NM. (2008, June). Received advanced training in the implementation of outdoor education programming for youth.

National Aeronautics and Space Administration. (2005, January). Member of a three-person, NASA-funded team selected nationally to participate in the *NASA Opportunities for Visionary Academics* (NOVA) program. Participants developed conceptual framework for science content courses delivered to students enrolled in teacher education coursework.

Project ACCEPT workshop. (2003, October). Received training in developing inclusive practices in teacher preparation coursework

Illinois Department of Natural Resources. (2002, November). Attended environmental education projects facilitator workshop.

Leave No Trace, Inc. (2002, October). Received training to serve as Leave No Trace outdoor ethics instructor.

Project Kaleidoscope. (2001, July). Project Kaleidoscope is a multi-institutional initiative to improve science education at the undergraduate level. Participated in workshops designed to support the needs of a scientifically literate citizenry and the application of improved pedagogy in undergraduate science courses.

Illinois State Board of Education. (2000, March). Received training to serve as an External Quality Reviewer for Illinois public schools.

Operation Primary Physical Science. (1999, December). Member of two-person, NSF-funded team selected nationally to receive further training in the use of staff development materials for primary school teachers in the physical science disciplines. Seminar sponsored by Louisiana State University, Baton Rouge, LA.

Morgridge Mini Grant, NIU College of Education. (1998). Participated in Morgridge Mini Grant project designed to support the effective use of technology in teacher preparation courses.

Illinois Department of Natural Resources. (1998). Received training in the implementation of environmental education curricula into elementary science methods courses and to serve the staff development needs of the region.

Operation Primary Physical Science. (1996, August). Member of three-person, NSF-funded team selected nationally to assist in the development of primary teacher's knowledge of the physical sciences. Participated in training to implement staff development program for primary school teachers in the physical science disciplines. Received training in developing physical science knowledge among teachers from a constructivist viewpoint. Meeting held at Towson State University, Towson, MD.

PROFESSIONAL CERTIFICATIONS

Northern Michigan University, Graduate Faculty Status—School of Education—Full Status Awarded (November 2004)

Northern Illinois University Graduate Faculty Status—Department of Teacher Education/Department of Teaching and Learning—Full Membership awarded (September 1999)

Northern Illinois University Graduate Faculty Status—Department of Curriculum and Instruction—Full Membership awarded (April 1999)

Illinois teacher certification for Astronomy, Chemistry, Physics, Psychology, and Zoology (Illinois folder #1860109). Also obtained General Supervisory (Type 75, #1410251) certification.

Iowa teacher certification for Physics, Physical Science, General Science, Science—all, and Psychology (Iowa folder #228621).

PROFESSIONAL SERVICE CONTRACTS

Louisiana State University. (1997). Field testing of Operation Primary Physical Science workshops.

North Central Regional Educational Laboratory. (1997). Developed documentation describing the implementation of innovative and effective applications of technology in preservice teacher education programs at Northern Illinois University.

HONORS

Honorary Organizations

Sigma Xi. (2005, April). Nominated and elected for membership in the national honor society for scientists and engineers, in recognition of excellence in scientific achievement and research.

Teaching and Community Service

International Scouter Award, International Division, Boy Scouts of America. (2007). Commendation recognizes exemplary leadership and service to youth in support of international scouting experiences (Received annually by approximately 1 scout leader out of 15,000 throughout the United States).

Distinguished Service Award (Silver Antelope Award), Central Region, Boy Scouts of America. (2005). Commendation recognizes exemplary leadership and service to youth throughout a multi-state geographic area (Awarded annually to approximately 1 scout leader out of 30,000 throughout the central United States).

District Award of Merit, Kishwaukee District, Three Fires Council, Boy Scouts of America. (2003). Commendation recognizes exemplary leadership and service to youth within a geographic subdivision of a scout council. (Awarded annually to approximately 1 leader out of 100 in a scout council)

NIU Technology for Academic Productivity Seminars. (1998). Web pages nominated in recognition of special merit for support of coursework.

Distinguished Service Award (Silver Beaver Award), Three Fires Council, Boy Scouts of America (1993). Commendation recognizes exemplary leadership and service to youth throughout a scout council (Awarded annually to approximately 1 scout leader out of 500 in a scout council).

Teaching Commendation, University of Chicago (1992)

International Camp Staff Counselor, Boy Scouts of America (1988)

Citations in Biographical Works

Listed in *Who's Who in the World* (24th edition, 2007; 23rd edition, 2006)

Listed in *Who's Who in America* (63rd edition, 2009; 58th edition, 2004; 57th edition, 2003; 56th edition, 2002; 55th edition, 2001; 54th edition, 2000; 53rd edition, 1999; 52nd edition, 1998)

Listed in *Who's Who in Science and Engineering* (9th edition, 2006; 8th edition, 2005; 7th edition, 2003; 6th edition, 1999)

Listed in *Who's Who in the Midwest* (1996)

Listed in *Who's Who Among America's Teachers* (4th edition, 1996; 3rd edition, 1994)

Listed in *Who's Who in American Education* (8th edition, 2007-2008; 7th edition, 2006-2007; 6th edition, 2004-2006; 4th edition, 1994-1995)

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