

## Cindi Dunn, Ed. D.

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### **ACADEMIC DEGREES**

Ed.D. Curriculum and Instruction: Technology Kansas State University. Manhattan, Kansas  
Outstanding College of Education -Graduate Student Award, Spring 2001

Dissertation: Technology in the classroom...Do they learn anything? The creation of an evaluation framework for the effectiveness of technology integration using teacher-designed cases.

M. S. Curriculum and Instructional Technology: Educational Computing Iowa State University. Ames, Iowa  
Phi Kappa Phi Honor Society

Thesis: The Effectiveness of a Rote versus Discovery Experiencing Computer Activity on Transfer of Learning a Mathematical Concept.

B. S. Secondary Education. Dual Majors: Mathematics, Business University of Nebraska. Lincoln, Nebraska

### **PROFESSIONAL EXPERIENCE**

**Kansas State University – College of Education, June 2003 - present**  
**Office of Educational Innovation and Evaluation (OEIE), Manhattan, Kansas**

- Assistant Director for Project Management (2011 – present): Led the development and supervises the implementation of a fluid system to manage all OEIE projects. Responsible for monitoring work flow, aligning resources and personnel to complete evaluation projects, and assimilating new projects as they are obtained.
- Research Assistant Professor/Principal Evaluator (2003 – present): Develop and implement program evaluation and project management plans, design research methods, create data collection instruments (i.e.: database forms, survey, interview), gather and analyze data (quantitative and qualitative), make formal presentations, and write summary reports for externally funded projects. Serve as principal evaluator for a variety of projects with a focus on multi-institutional, multi-discipline National Science Foundation and U.S. Department of Education funded grant projects.

**United School District 383 in Partnership with Kansas State University August 1995 – May 2003**  
**Professional Development Schools (PDS), Manhattan, Kansas.**

- Clinical Instructor, University Supervisor, and University Instructor (Fall 1995 – Spring 2003): Co-created Professional Development School at seven secondary (grades 6-12) sites.
- Research Project Team National Education Association (NEA) PDS Research Project and U. S. Department of Education Improving Teacher Quality through the KSU-PDS Partnership grants (Fall 2001- Spring 2003): Led data collection, analysis and summary phases of projects at PDS sites.
- Co-chair Steering Committee National Education Association PDS Research Project: (2001 – 2003): Designed and pilot tested modified NCATE PDS self-study procedures.

**Unified School District 383 August 1986 - May 2003**  
**Manhattan High School, Manhattan, Kansas.**

- Teacher Leadership Cadre (Fall 2000- Spring 2003): Enhanced district-wide networking through collaborative efforts.
- Instructional Facilitator (Fall 1992 - Spring 2001): Designed goal-setting, peer evaluation structure for faculty appraisal and conducted the formal evaluation of teachers.
- Computer Teacher (Fall 1986 - Spring 1998): Designed and implemented computer science curriculum and obtained vocational funding for program.
- Mathematics Teacher (Fall 1986 - Spring 1994): Designed and implemented problem-based *General Mathematics* course aligned to National Council of Teachers of Mathematics standards utilizing technology as a tool for learning.

**Ogden Public Schools, Ogden High School, Ogden, Iowa August 1985 - May 1986**

- Secondary Mathematics and Computer Teacher: Created Computer Science curriculum and integrated technology into math lessons as a tool for students to learn mathematical concepts.

## **PROGRAM EVALUATION**

Principal Evaluator for over 40 projects, key projects include:

- Louisiana Experimental Program to Stimulate Competitive Research (EPSCoR) Research Infrastructure Improvement (RII) Track 1: Louisiana Alliance for Simulation-Guided Materials Applications, 2010 – 2015.
- EPSCoR RII Track 2: Research and Education Cyberinfrastructure Investments to Develop the Coastal Hazards Collaboratory in the Northern Gulf Coast, National Science Foundation, 2010 – 2013.
- EPSCoR RII C2: Louisiana's cyber connectivity via LONI, National Science Foundation, 2010 – 2012.
- Integrative Graduate Education and Research Traineeship (IGERT) Program: From crops to computing: integrating the social, technological, and agricultural aspects of renewable and sustainable biorefining, National Science Foundation, 2009-2014.
- The Honor Challenge: To Honor the Brave, Challenge Myself, Department of Defense Educational Agency, 2009-2012.
- Leading Reading, Department of Defense Educational Agency, 2010-2013.
- The Queensborough Bridge: A consortium between a two-year college, four-year college and national laboratory, National Science Foundation, 2008-2012.
- EPSCoR RII Track 1 Oklahoma: Building Oklahoma's leadership role in cellulosic bioenergy, National Science Foundation, 2008 – 2013.
- Epsilon Corps: Expanding STEM through exploration, mentoring, and sequenced curricular support, National Science Foundation, 2007- 2009.
- Evaluation of the Library Services and Technology Act Five-Year State Plan, State Library of Kansas, 2006-2007.
- Teacher Quality Enhancement (TQE): Equity and Access: Enhancing teacher quality through multi-institutional partnerships, U.S. Department of Education, 2005-2010.
- Facilitating case reuse during problem solving, National Science Foundation, 2006-2008.
- Mathematics Teacher Preparation Partnership, National Science Foundation, 2002-2005.
- Teacher Quality Enhancement (TQE): Improving teacher quality through KSU professional development school partnerships, U.S. Department of Education, 1999-2005.

## **TEACHING**

- Kansas State University (Instructor)
  - EDSEC 102: Teaching as a Career
  - EDSEC 420: Block II Lab: Secondary Math
  - EDSEC 476: Content Area Methods: Secondary Math
  - EDEL 768: Topics: Supervision of Student Teachers
- Iowa State University (Graduate Teaching Assistant)
  - CI 102: Instructional Media
  - CI 201: Introduction to Instructional Technology
- Manhattan High School (Kansas)
  - Introduction to Programming Languages
  - Computer Programming
  - Advanced Computer Programming
  - Computer Applications
  - General Mathematics
- Ogden High School (Iowa)
  - Computer Programming
  - Computer Applications
  - Algebra I
  - Consumer Mathematics
  - General Mathematics

## **SELECTED PUBLICATIONS**

- Shroyer, G., Yahnke, S., Morales, A., **Dunn**, C., Lohfink, G., & Espinoza, P. (2009, Fall). Barriers and Bridges to Success: Factors for Retention of Nontraditional Mexican American Students in Teacher Education. *Enrollment Management Journal: Student Access, Finance, and Success in Higher Education*, v3, n3, pp. 40-73.
- Shroyer, G., Yahnke, S., Bennett, A., & **Dunn**, C. (2007, March/April). Simultaneous Renewal Through Partnerships. *The Journal of Educational Research*, v100, n4, pp. 211-225.

## **SELECTED PRESENTATIONS**

- Dunn, C.**, & Hodge, S., (2010, November). *Development of an Implementation Fidelity Framework: Implications for District-Wide Multi-classroom Interventions*. Poster session at the American Evaluation Association, San Antonio, TX.
- Hodge, S., Middendorf, B.J., Thurston, L.P., & **Dunn, C.** (2010, November). *Data reduction and classification decisions: Using a factor analytic approach to examine exemplary teaching characteristics*. Paper presented the American Evaluation Association, San Antonio, TX.
- Shroyer, G., Morales, A., Yahnke, S., & **Dunn, C.** (2010, March). *A PDS Partnership And Its Impact Across the K-16 Educational Continuum*. Paper presented at the Professional Development Schools National Conference, Orlando, FL.
- Shroyer, G., Morales, A., Hernandez, C., & **Dunn, C.** (2010, March). *Systemic Reform in Pre-Service Science Teacher Education and Its Impact Across the K-16 Educational Continuum*. Paper presented at the National Association of Science Teaching, Philadelphia, PA.
- Shroyer, G., Yahnke, S., Morales, A., & **Dunn, C.** (2010, April). *A PDS Initiative: Challenging Educational Disparity Across the Educational System*. Paper presented at the American Education Research Association Conference, Denver, CO.
- Hodge, S., Middendorf, B.J., Thurston, L.P., & **Dunn, C.** (2009, November). *A National Study of Core Exemplary Teaching Characteristics: An Exploratory Construct Validation*. Paper presented at the American Evaluation Association, Orlando, FL.
- Shroyer, G., Yahnke, S., Morales, A., **Dunn, C.**, Lohfink, G., & Espinoza, P. (2008, March). *Barriers and Bridges to Success-Factors for Retention of First-Generation Mexican American Nontraditional Students in Teacher Education*. Paper presented at the American Education Research Association Annual Meeting, New York City, NY.
- Shroyer, G., Morales, A., Lohfink, G., **Dunn, C.**, Hernandez, C., & Yahnke, S. (2008, April). *Science and Mathematics Persistence for First-Generation Mexican-American Non-Traditional Students in Teacher Education*. Paper presented at the National Association of Research in Science Teaching, Baltimore, MD.
- Shroyer, G., Miller, T., Hernandez, C., & **Dunn, C.** (2007, April). *The Impact of Long-Term Professional Development and Systemic Reform on K-16 Science Teaching and Learning*. Paper presented at the American Education Research Association Annual Meeting, Chicago, IL.
- Middendorf, B.J., Shuman, C., & **Dunn, C.** (2004, November). *Improving Programs and Influencing Decision Making: Impact of Evaluation on Kan-ed, A statewide Initiative*. Paper presented at the American Evaluation Association, Atlanta, GA.
- Middendorf, B.J., Shuman, C., **Dunn, C.**, Odell, I., & Fergen, B. (2004, November). *The Human Components of Evaluation: Three Case Studies*. Paper presented at the American Evaluation Association. Atlanta, Georgia.

## **SELECTED WORKSHOP and TRAINING SESSIONS CONDUCTED**

- “Framework for Teaching and Effective Mentoring Practices.” One day training for school mentors. Various school districts in Kansas, 2000 - 2008.
- “Learner Outcomes: Implementation into the Classroom.” Unified School District 383 staff development workshops. Manhattan, Kansas. Six sessions each fall and spring semester in 1995, 1994, 1993.
- “Using Internet in the K-12 Classroom.” One day workshop for ESDECK Service Center. Hutchinson, Kansas. January 1995.
- “Alternate Forms of Assessment in the Mathematics Classroom” and “Using Manipulatives to Teach Secondary Mathematics.” Series of sessions for Manhattan High School mathematics teachers. Manhattan, Kansas. 1991-1994.
- “Implementing Kansas K-12 Math Standards” and “Follow-up: K-12 Math Standards.” Workshops for North Central Kansas Educational Service Center. Concordia, Kansas. 1990-1991.
- “Using INSPIRATION software to create graphic organizers,” “Designing instruction utilizing student use of technology,” “Introduction to Linkway,” “KSU Internet Connection,” and other technology training, Manhattan High School, 1987 – 1993.

## **SERVICE and AFFILIATIONS**

### **Professional**

- 2003 – present American Evaluation Association.
- February 2001 National Education Associate representative on NCATE accreditation team for St. Mary's College. Leavenworth, Kansas.
- 1997 - 2001 Kansas Coalition for Professional Development Schools member of state-wide network.
- 1995 - present Delta Kappa Gamma International Society of Women Educators. 1<sup>st</sup> vice president ETA Chapter (program chair), 2002-2004; Treasurer, 2000- 2002; 2nd vice president, 1998-2000.
- 1993 - 2003 National Education Association.
- 1993 - 1997 International Society for Technology in Education.
- 1991 - 1993 Kansas Department of Education Mathematics Academy member.
- 1990 - 2000 North Central Accreditation/Quality Performance Accreditation visiting team member for Wichita East High School
- 1983 - 1993 National Council of Teachers of Mathematics.
- 1983 - 1990 National Business Association.

### **Kansas State University**

- 2001- 2003 Facilitator for teachers working toward National Board for Professional Teaching Standards Certification.
- 2000 – 2003 Writing team member for Mentoring Handbook that was made available for school districts in Kansas through the U.S. Department of Education's *Improving Quality through the KSU-PDS Partnership* grant.
- 1998 - 1999 Co-chair steering committee for *NCATE PDS Standards Pilot-Project*.
- 1995 - 2003 Committee member on NCATE accreditation planning teams.

### **United School District 383 and Manhattan High School (MHS)**

- Spring 2003 Co-author of Professional Development Schools Handbook. USD 383 Board of Education approved April 22, 2003.
- 2002 - 2003 Member of newly established Professional Development School Steering Committee.
- Summer 2001 Author on writing team that created the structure, training, implementation and program evaluation of the district Mentoring and Induction program.
- 2001- 2003 Professional Development Council member at MHS.
- 2000 - 2003 Professional Development School Department Chair at MHS.
- 2000 - 2003 District Mentoring Steering committee member.
- 2000 - 2003 MHS representative for district Teacher Leadership Cadre.
- 1998 - 2000 NEA Learning Lab Committee member.
- 1994 - 1998 K-12 Technology Planning Committee member.
- 1994 - 1995 K-12 Mathematics Curriculum Planning Committee member.
- 1993 - 1994 District Leadership Team.
- 1992 - 2003 Staff Development Committee member at MHS.
- 1991 - 1993 District Math Cadre.
- 1990 - 2003 North Central Accreditation/Quality Performance Accreditation Steering Committee at MHS.