

# Daniel J. Bergman

## Curriculum Vitae

1845 Fairmount Ave, Box 28  
Wichita, Kansas 67260  
(316) 978-6387  
daniel.bergman@wichita.edu

### Education

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|---|-------------|
| Ph.D. Curriculum & Instruction, Science Education concentration<br>Iowa State University; Dr. Michael Clough, Major Professor<br>Dissertation: <i>A Self-Audit of Science Teacher Education</i> | May 2007    |
| M.A. Education Administration, School Principalship (7-12)<br>University of Nebraska-Kearney; Dr. James Ossian, Advisor   | August 2004 |
| M.A. Curriculum & Instruction, Science Education concentration<br>University of Nebraska-Lincoln; Dr. Ron Bonnsetter, Advisor   | August 2002 |
| B.S. Secondary Science Education<br>University of Nebraska-Lincoln; Graduated with High Distinction<br>Endorsements in Physical Science and Chemistry   | May 1999    |

### Certification

Nebraska Professional Teaching Certificate  
Iowa Standard Teaching License  
Areas of Endorsement: Physical Science (7-12); Chemistry (7-12)

Nebraska Standard Administrative and Supervisory Certificate: 7-12 All Schools

### Grants

- Bergman, D.J. (2010). *Family and parent involvement—Curriculum enhancement initiative*. The Kansas Parent Information Resource Center (KPIRC). Funded at \$3,000.
- Bergman, D.J. (2009). *Family and parent involvement—Curriculum enhancement initiative*. The Kansas Parent Information Resource Center (KPIRC). Funded at \$3,500.
- Bergman, D.J. (2007). *Comparing the effects of audio- and video-recording on pre-service teachers' self-evaluations*. University Research/Creative Projects Award (URCA). Wichita State University. Funded at \$4,486.
- Bergman, D.J., & Huls, T. (2003). *Crash! National Highway Administration safety and science curriculum*. Aurora (NE) School District. Funded at \$5,000.
- Bergman, D.J. (2000). *Computer-based laboratory interfaces and software for enhanced science instruction*. Aurora (NE) School District. Funded at \$5,000.

## Teaching and Research Experience

**Assistant/Associate Professor**, Wichita State University August 2007 – Present

*Curriculum & Instruction - Science Education*

Chair, Middle/Secondary Science Program

Researched effective science instruction, teacher behaviors, teacher preparation

Submitted grant proposals and participated in ongoing funded research projects

Taught senior- and graduate-level courses in general teaching methods, secondary

science teaching methods, science/technology/society, and

history/philosophy/ethics of education

Supervised pre-service and in-service secondary teachers

Advised undergraduate, graduate, and incoming transfer students

Developed program requirements for KSDE/NCATE accreditation

Presented at regional and international education conferences

Submitted research and education articles for publishing in professional journals

Served on multiple college and department committees (faculty senate, position searches, community outreach, programs, rules, NCATE preparation, data input/reports)

**Research and Teaching Graduate Assistant**, Iowa State University August 2004 – May 2007

*Curriculum & Instruction - Science Education (Ph.D.)*

Researched effective science instruction, teacher behaviors, nature of science

Taught senior-level science methods courses for elementary majors (7 sem)

Taught senior- and graduate-level science methods courses for secondary majors (2 sem)

Supervised secondary science student teachers (undergraduate and graduate)

Analyzed participant statistics from science education research and outreach programs

Advised Masters of Arts in Teaching graduate certification students

Presented at regional and national science educator conferences

Coordinated student visits and activities with NASA researchers on campus

Created, edited, and produced DVD for use by area science curriculum consultants with ELL science students

**Secondary Science Teacher**, Aurora High School, Aurora, NE August 1999 – May 2004

*High School Chemistry, AP Chemistry, Physics, Biology*

Developed and implemented instruction in science units

Received district-wide grant to implement computer-based laboratory curriculum

Coordinated student service learning project at Edgerton Science Museum

Member of Technology, Student Assistance, School Improvement Steering Committees

Sponsored Future Problem Solving Program (2002-2004 State Champion Teams)

Directed High School Drama Productions – Musical, One-Act Play, Spring Play

**Publications (peer-reviewed)**

- Bergman, D.J., & Morpew, J.W. (in revision). Effects of a science content course on elementary pre-service teachers' self-efficacy of teaching science. Submitted to *Journal of College Science Teaching*.
- Bergman, D.J. (in revision). We *still* graduate more criminals than scientists: Reflecting on our teaching and students. Submitted to *The Science Teacher*.
- Flores, R., Krutka, D.G., Mason, K., & Bergman, D.J. (in revision). From evaluation to collaborative reflection: Teacher candidate perceptions of a digital learner-centered classroom observation form. Submitted to *Journal of Technology and Teacher Education*.
- Krutka, D.G., Bergman, D.J., Flores, R., Mason, K., & Jack, A.R. (in press). Microblogging about Teaching: Nurturing participatory cultures through collaborative online reflection with pre-service teachers. Submitted to *Teaching and Teacher Education*.
- Bergman, D.J., & Morpew, J.W. (in press). Comparing classroom interactive behaviors of science and non-science pre-service teachers. Accepted by *Journal of Classroom Interaction*.
- Bergman, D.J. (2013). Comparing the effects of suburban and urban field placements on teacher candidates' experiences and perceptions of family engagement in middle and high schools. *The School Community Journal*, 23(2), 87-112.
- Bergman, D.J. (2013). Blending language learning with science. *The Science Teacher*, 80(4), 46-50.
- Bergman, D.J. (2013). Pre-service teachers' perceptions about ethical practices in student evaluation. *Issues in Teacher Education*, 22(1), 29-48.
- Yanez, J., Journell, H., & Bergman, D.J. (2012). World population and limited resources: How much have you "bean" eating? *Science and Children*, 50(1), 32-37.
- Bergman, D.J. (2011). Showtime science: Effective use of movies, TV, music, and more to teach force, motion, and machines. *Science Scope*, 35(4), 40-44.
- Bergman, D.J. (2011). Synergistic strategies: Science for ELL is science for ALL. *Science Scope*, 35(3), 40-44.
- Bergman, D.J., & Olson, J.K. (2011). Got inquiry? *Science and Children*, 48(7), 44-48.
- Bergman, D.J. (2010). Vectors on the basketball court. *The Science Teacher*, 77(3), 66-68.
- Bergman, D.J. (2010). Why do we have to do this? Teaching beyond content. *The Clearing House*, 83(4), 129-132.

- Bergman, D.J. (2010). Synergistic teaching of science to English language learners: Common components of model ELL and science instruction. *Research in Science Education—Teaching science with Hispanic ELLs in k-16 classrooms*, 101-133.
- Bergman, D.J. (2010). Two GREEN thumbs up! Teaching environmental science with Hollywood movies. *The Science Teacher—Themed Issue: Going Green: Science Teaching and the Environment*, 77(2), 57-60.
- Bergman, D.J. (2008). Bug talk: A learning module on insect communication. *Science Activities*, 45(2), 29-34.
- Bergman, D.J. (2005). A penny saved is a penny learned. *Iowa Science Teachers Journal*, 32(3), 16-22.
- Bergman, D.J. (2004). Share the science! Service learning projects. *The Science Teacher*, 71(5), 38-39.
- Dietrich, M., Bender, C.F., Bergman, D.J., Bills, T.E., Bochkarev, N.G., Burenkov, A., Gaskell, C.M., Gutzmer, D.D., Grove, R., Hiller, M.E., Huchra, J.P., Klimek, E.S., Lund, C., Merkulova, N., Pebley, S., Poulsen, M.A., Pronik, V.I., Sergeev, S.G., Sergeeva, Shapovalova, A.I., Vlasyuk, V.V., & Wilkes, B. (2001). A spectroscopic and photometric study of short-timescale variability in NGC 5548. *Astronomy & Astrophysics*, 371, 79-92.

**Publications (editor-reviewed)**

- Bergman, D.J. (in press). Timeless and timely teaching. *The KATS News: Kansas Association of Teachers of Science*.
- Bergman, D.J. (2013). Timeless teaching for EVERY generation. *The KATS News: Kansas Association of Teachers of Science*, 46(3), 10.
- Flores, R., Krutka, D.G., Mason, K., & Bergman, D.J. (2013). “More like a conversation”: Cultivating reflective dialogue with a student-centered classroom observation form. *PDS Partners*, (9)2, 15.
- Bergman, D.J. (2013). What do you look like? Reflecting on “science teacher” depictions found in Google Images. *The KATS News: Kansas Association of Teachers of Science*, 46(2), 4.
- Bergman, D.J. (2010). Cinema science—2010 edition. *The KATS News: Kansas Association of Teachers of Science*, 43(4), 14-15.
- Bergman, D.J. (2010). Quality responses. *New Teacher Advocate*, 18(1), 13.
- Bergman, D.J., & Bergman, C.C. (2009). Elements of stylish teaching: Lessons from Strunk and White’s compositional classic. *Phi Delta Kappan*, 91(4), 28-31.  
**Awarded one of twelve “Must-Read” articles for 2009-2010 by Kappan editorial staff.**
- Bergman, D.J. (2009). Non-verbal teaching behaviors: Actions speak louder than words. *Shocker Ed News: Wichita State University Department of Curriculum and Instruction*, 2(3), 2.
- Bergman, D.J. (2009). Showtime science: KATS KAMP highlights and summer preview. *The KATS News: Kansas Association of Teachers of Science*, 42(3), 17-18.
- Bergman, D.J. (2009). Quality questions. *New Teacher Advocate*, 16(4), 4-5.
- Bergman, D.J. (2008). Effective teacher questioning skills. *Shocker Ed News: Wichita State University Department of Curriculum and Instruction*, 2(1), 2.
- Bergman, D.J. (2008). Responding to your students. *Shocker Ed News: Wichita State University Department of Curriculum and Instruction*, 2(2), 2.
- Bergman, D.J. (2008). What is YOUR role? Essential behaviors of effective science teaching. *The KATS News: Kansas Association of Teachers of Science*, 41(2), 22-29.
- Bergman, D.J. (2008). What are we doing today? A guide to planning effective science lessons. *The KATS News: Kansas Association of Teachers of Science*, 40(2), 14-19.
- Bergman, D.J. (2008). Why do we have to learn this? Teaching goals beyond science content. *The KATS News: Kansas Association of Teachers of Science*, 39(2), 26-28.

## Presentations

- Bergman, D.J. (2014). *An introduction to the new science standards for parents and community members*. Presentation at the Information Meeting for Understanding the New Standards. Wichita, KS: January 6.
- Bergman, D.J. (2014). *Examining persistent myths for teaching science*. Paper presentation at the International Meeting of the Association for Science Teacher Education. San Antonio, TX: January 15-18.
- Bergman, D.J. (2013). *Science specific teaching strategies and classroom issues*. Workshop conducted for WSU Transition to Teaching science candidates. Wichita, KS: October 5.
- Bergman, D.J. (2013). *Comparing classroom interactive behaviors of STEM pre-service teachers*. Presentation at the Science and Mathematics Teacher Imperative National Conference. St. Louis, MO: June 5-7.
- Bergman, D.J. (2013). *Representations of science teachers in Google Images and implications for recruitment, education, and reflection*. Presentation at the Science and Mathematics Teacher Imperative National Conference. St. Louis, MO: June 5-7.
- Bergman, D.J. (2013). *Do you look like THIS? Examining science teachers depicted in Google Images*. Presentation at the Annual Meeting of the Kansas Association of Teachers of Science. Rock Springs, KS: April 19-21.
- Bergman, D.J. (2013). *Go further: Interactions to engage and assess students in meaningful learning*. Invited workshop for Maize elective teachers. Maize, KS: January 14.
- Bergman, D.J. (2013). *The portrayal of science teachers found in Google Images and implications for science teacher education*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Charleston, SC: January 9-12.
- Bergman, D.J., & Morphew, J.W. (2013). *Comparing the effects of science content courses and instructors on elementary pre-service teachers' self-efficacy of teaching science*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Charleston, SC: January 9-12.
- Clough, M.P., Olson, J.K., Ihrig, L.M., Wilcox, J., Bergman, D.J., & Herman, B.C. (2013). *Structure and efficacy of the ISU Secondary Science Teacher Education Program*. Paper presented at the STEM Teacher Educators' Conference. Des Moines, IA: September 20.
- Flores, R., Krutka, D., Mason, K., Bergman, D.J., Peer, S., & Carroll, J. (2013). *Going paperless: The possibilities and challenges of utilizing 21<sup>st</sup> century tools for teacher candidate observations*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: February 14-17.

- Flores, R., Mason, K., Krutka, D., Bergman, D.J., Peer, S., & Carroll, J. (2013). *Promoting reflective and purposeful lesson planning: The pilot of a new observation protocol for teacher candidates*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: February 14-17.
- Bergman, D.J. (2012). *Teacher questioning, responding, and interactive behaviors*. Invited workshop conducted for Maize South Middle School teaching faculty. Maize, KS: August 9.
- Bergman, D.J. (2012). *Science specific teaching strategies and classroom issues*. Workshop conducted for WSU Transition to Teaching science candidates. Wichita, KS: April 28.
- Bergman, D.J. (2012). *Teach with synergy: ELL and the Next Generation Science Standards*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 20-22.
- Bergman, D.J., Olson, J.K., & Clough I.W. (2012). *Darwin, X-Men, or Pokémon? Examining popular media's influence on understanding evolution*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 20-22.
- Snodgrass, A., Mason, K., & Bergman, D.J. (2012). *Observation and feedback: Data driven conversations*. Panel presentation at the WSU Academy #2: Role of PDS in Raising Student Achievement. Wichita, KS: March 26.
- Bergman, D.J. (2012). *Effects of a science content course on elementary pre-service teachers' attitudes and understandings of teaching science*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Clearwater, FL: January 4-7.
- Bergman, D.J., & Morphew, J.W. (2012). *Comparing the classroom interactive behaviors of science and non-science pre-service teachers*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Clearwater, FL: January 4-7.
- Bergman, D.J. (2011). *Comparing and contrasting the urban PDS experience at elementary, middle, and high schools*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: March 10-13.
- Bergman, D.J. (2011). *Family engagement in suburban and urban schools: Secondary pre-service and in-service teachers' experiences and perceptions*. Paper presentation at the Professional Development Schools National Conference. New Orleans, LA: March 10-13.
- Bergman, D.J. (2011). *What is YOUR role? Essential teacher behaviors for successful science lessons*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 15-17.

- Bergman, D.J. (2011). *Why do we have to learn this? Teaching goals beyond science content*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 15-17.
- Bergman, D.J. (2011). Award Presentation: *Synergistic teaching of science to English language learners: Comparative analysis of the STRATEGIES*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Minneapolis: January 19-22.
- Bergman, D.J. (2010). *It's showtime! Using movies and related media to promote engaged student learning in science—2010 edition*. Presentation at the Regional Conference of the National Science Teachers Association. Kansas City, MO: October 28-30.
- Bergman, D.J., & Yoakum, R. (2010). *Food for thought: Teaching science and inquiry with food-related activities*. Presentation at the Regional Conference of the National Science Teachers Association. Kansas City, MO: October 28-30. (I)
- Bergman, D.J. (2010). *TWO BIRDS . . . Synergistic teaching of science to English language learners*. Presentation at the Regional Conference of the National Science Teachers Association. Kansas City, MO: October 28-30.
- Bergman, D.J. (2010). *What is YOUR role? Essential teacher behaviors for successful lessons*. Presentation at the Kansas Association of Teachers of Mathematics Conference. Wichita, KS: October 15.
- Bergman, D.J. (2010). *Why do we have to learn this? Teaching goals beyond content*. Presentation at the Kansas Association of Teachers of Mathematics Conference. Wichita, KS: October 15.
- Bergman, D.J. (2010). *Pre-service and in-service teachers' experiences and perceptions of parental involvement in schools*. Paper presentation at the Professional Development Schools National Conference. Orlando, FL: March 11-14.
- Bergman, D.J. (2010). *What do they see and hear? A mixed methods analysis comparing the effects of classroom audio- and video-recording on pre-service teachers' self-evaluations (Year 2)*. Paper presentation at the Professional Development Schools National Conference. Orlando, FL: March 11-14.
- Bergman, D.J. (2010). *Synergistic teaching of science to English language learners: Comparative analysis of the STANDARDS*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Sacramento, CA: January 14-16.
- Bergman, D.J. (2010). *Synergistic teaching of science to English language learners: Comparative analysis of the STRATEGIES*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Sacramento, CA: January 14-16.
- Awarded ASTE Award V: Implications of Research for Educational Practice**



- Lazarin, A.G., Bergman, D.J., & Toro-Ramos, Z. (2010). *Programs to increase K-12 interest in STEM careers*. Paper presentation at the National Conference of the National Association of Multicultural Engineering Program Advocates/Women in Engineering ProActive Network. Baltimore, MD: April 12-14.
- Bergman, D.J., Clough, M.P. & Olson, J.K. (2009). *Structure and efficacy of the Iowa State University Secondary Science Teacher Education Program*. Iowa Science and Mathematics Teacher Educators Summit. Des Moines, IA, August 14.
- Bergman, D.J., Herald, C., Seimears, C.M. (2009). *Get published: How to write, submit, and share your science education ideas*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 23-26.
- Bergman, D.J. (2009). *Two GREEN thumbs up! Teaching environmental issues with movies*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 23-26.
- Bergman, D.J. (2009). *Comparing the effects of classroom audio- and video-taping on pre-service teachers' self-evaluations*. Paper presentation at the Professional Development Schools National Conference. Daytona, FL: March 12-15.
- Bergman, D.J., & Schneegurt, M.A. (2009). *You scratch my back . . . Teachers' and researchers' perceived benefits and challenges in a university/high school science partnership*. Paper presentation at the International Meeting of the Association for Science Teacher Education. Hartford, CT: January 8-10.
- Bergman, D.J. (2008). *It's showtime! Using music, movies, and media to promote engaged student learning in math and science*. Presentation at the Science and Mathematics—Assessment, Research, and Technology Together Conference. Overland Park, KS: November 6-8.
- Bergman, D.J., Clough, M.P., Kruse, J.W., & Olson, J.K. (2008). *Eating their young: Beginning teachers and fierce institutional constraints*. Paper presentation at the Annual Conference of the Academy for Educational Studies. Branson, MO: October 20-21.
- Bergman, D.J. (2008). *Environmental education at the movies*. Presentation at the 37<sup>th</sup> Annual Conference of the North American Association for Environmental Education. Wichita, KS: October 15-18.
- Bergman, D.J. (2008). *It's showtime! Using music, movies, and media to promote engaged student learning*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 25-28.
- Bergman, D.J. (2008). *What went wrong? Assessing activities and instruction*. Presentation at the Annual Meeting of Kansas Association of Teachers of Science. Rock Springs, KS: April 25-28.

- Clough, M.P., Bergman, D.J., Kruse, J.W., Olson, J.K., Berg, C.A. (2008). *Eating their young: Beginning teachers and fierce institutional constraints*. Paper presented at the International Meeting of the Association for Science Teacher Education. St. Louis, MO: January 10-13.
- Bergman, D.J. (2008). *The effects of two secondary science teacher education program structures on teachers' habits of mind and action*. Paper presented at the International Meeting of the Association for Science Teacher Education. St. Louis, MO: January 10-13.
- Bergman, D.J. (2007). *The effects of two secondary science teacher education program structures on teachers' habits of mind and action*. Paper presented at the Southwest Regional Meeting of the Association for Science Teacher Education. Forth Worth, TX: October 12-14.
- Bergman, D.J. (2007). *What went wrong? Assessing activities and instruction*. Presentation at the National Conference of the National Science Teachers Association. St. Louis, MO: March 29-April 1.
- Bergman, D.J. (2007). *A self-audit of science teacher education*. Paper presented at the International Meeting of the Association for Science Teacher Education. Clearwater, FL: January 4-6.
- Bergman, D.J. (2006). *It's showtime! Using music, movies, and media to promote engaged student learning*. Presentation at the Annual Meeting of the Iowa Science Teachers Section (ISTS) of the Iowa Academy of Science. Cedar Rapids, IA: October 18.
- Olson, J.K., Bergman, D.J., & Clough, I.W. (2006). *The Pokémon (r)evolution: Look who's coming to biology*. Paper presented at the Regional Conference of the National Science Teachers Association. Omaha, NE: October 19-21.
- Olson, J.K., Bergman, D.J., & Clough, I.W. (2006). *The Pokémon (r)evolution: Look who's coming to biology*. Paper presented at the Annual Meeting of the North Central Region of the Association for Science Teacher Education. Eau Claire, WI: October 5-7.
- Clough, M.P., Olson, J.K., Bruxvoort, C., Vanderlinden, D., & Bergman, D.J. (2006). *Historical narratives and students' understandings of science content and nature of science (NOS)*. Poster presented at the Annual Meeting of the North Central Region of the Association for Science Teacher Education. Eau Claire, WI: October 5-7.
- Bergman, D.J. (2006). *It's showtime! Using music, movies, and media to promote engaged student learning*. Presentation at the National Conference of the National Science Teachers Association. Anaheim, CA: April 6-9.
- Bergman, D.J. (2006). *Sea of change: The student teacher's transition from student to teacher*. Paper presented at the International Meeting of the Association for Science Teacher Education. Portland, OR: January 12-14.
- Olson, J.K., & Bergman, D.J. (2006). *Student teachers' growth using paired student teaching and lesson study*. Paper presented at the International Meeting of the Association for Science Teacher Education. Portland, OR: January 12-14.

- Bergman, D.J. (2005). *A penny saved is a penny learned*. Presentation at the Annual Meeting of the Iowa Science Teachers Section (ISTS) of the Iowa Academy of Science. Des Moines, IA: October 20.
- Bergman, D.J. (2005). *Sea of change: The student teacher's transition from student to teacher*. Paper presented at the Annual Meeting of the North Central Region of the Association for Science Teacher Education. Cedar Falls, IA: October 6-8.
- Bergman, D.J. (2004). *Food for thought: A way to students' minds is through their stomachs*. Presentation at the Regional Conference of the National Science Teachers Association. Indianapolis, IN: November 3-6.
- Bergman, D.J. (2004). *Secondary science teacher baseline*. Poster presented at the Iowa State University Curriculum & Instruction Graduate Student Poster Fair. Ames, IA: October 1.
- Bergman, D.J. (2004). *Using computer-based laboratory activities in the science classroom*. Presentation at the Annual Meeting of the Nebraska Educational Technology Association. Omaha, NE: April 29.

## Honors, Awards, Distinctions

WSU Technology Integration Award – On-Line Foundations Course (2011)  
WSU Research Award – Elementary Science Content Course (2011)  
ASTE Award V: Implications of Research for Educational Practice (2010)  
“Must-Read” *Kappan* Article for 2009-2010, “Elements of stylish teaching”  
Nominee for WSU Academy for Effective Teaching Award (2009)  
Margaret & Barton Morgan Scholarships (ISU Curriculum & Instruction) (2005-2007)  
ISU Graduate College PACE (Premium for Academic Excellence) Award (2004-2005)  
Who’s Who Among American Teachers (2002, 2003)  
Nominee for RadioShack’s National Science Teacher Award (2003)  
Golden Key National Honor Society (1996-1999)  
Pi Lambda Theta National Honor and Professional Association in Education  
Voted “Outstanding Rank Leader” in Cornhusker Marching Band (1998-1999)  
Member of 1996 Sudler Trophy-winning Cornhusker Marching Band

## Service

### *Profession:*

Reviewer for *The Science Teacher* (2011-Present)  
Reviewer for *Teachers College Record* (2011-Present)  
Reviewer for *Visual Data and Their Use in Science Education* (2011-2012)  
President-Elect, Kansas Association of Teachers of Science (2013-2014)  
Vice President, Kansas Association of Teachers of Science (2012-2013)  
Region IV College Representative, KATS (2007-2012)  
Communications Chair, KATS (2008-Present)  
Professional Development Committee Member, ASTE (2007-2010)  
NCATE Poster Session Planning Committee, WSU (2009-2010)  
WSU Representative, Urban Teacher Preparation Program/Teacher Quality Partnership (2008-Present)  
Proposal Reviewer and Session Presider, International ASTE Meeting (2007-Present)  
Reviewer for *Iowa Science Teachers Journal* (2007-Present)  
Evaluator, WSU Graduate Research and Scholarly Projects Symposium (2009)  
Fall Conference Program Coordinator, Iowa Science Teachers Section (2006)  
Science Consultant and DVD Producer, Enhancing ELL Science Institute (2005)

### *Community Involvement:*

Kansas Junior Academy of Science State Meeting Judge (2009)  
Big Brother for At-Risk Youth, BBBS of Sedgwick County, Kansas (2008-Present)  
Volunteer for Southern Care Hospice (2007-Present)  
Trumpet player for churches and community senior centers (1999-Present)  
Volunteer for Lincoln YWCA’s Take a Break Program (1998)  
Tutor for At-Risk Students, Lincoln Action Program (1998)

## Professional Memberships

Association for Science Teacher Education  
National Science Teachers Association  
National Association of Research in Science Teaching  
Kansas Association of Teachers of Science  
American Association of Physics Teachers  
American Chemical Society  
Science & Mathematics Teacher Imperative (SMTI) of Association of Public and Land-Grant Universities (formerly NASULGC)  
National Association of Professional Development Schools  
Phi Delta Kappa  
National Education Association  
Aurora (NE) Education Association