

Ollie Bogdon PhD

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EDUCATION

Ph.D., Interdisciplinary Studies: Education and Public Affairs & Administration, University Missouri Kansas City	2002
Emphasis: Curriculum and Instruction, Science	
M.S., Graduate School, Cornell University Ithaca, New York	1994
Emphasis: Education, Adult and Continuing Education	
B.S., Agriculture and Life Sciences, Cornell University Ithaca, New York	1989

PROFESSIONAL INTERESTS

Teacher Preparation Education Program Development; Assessment-driven instruction;
Encourage the journey of life-long learning to contribute to the well-being of our global society;
Taking the fear out of STEM education for Teachers and Students; Employing a growth mindset
to grow teachers and students in all settings including Trauma Survivors;

PROFESSIONAL POSITIONS

Missouri Western State University, Saint Joseph, Missouri

Assistant Professor of Education, Grant Director	2018 – present
Undergraduate Curriculum Committee	2018 – present

PROFESSIONAL POSITIONS

University Saint Mary, Leavenworth, Kansas

Assistant Professor of Education, Grant Director	2016 – 2018
Accreditation and Grant Coordinator, Assistant Professor of Education	2013 – 2016
Director of Education Programs Overland Park Campus, Assistant Professor	2012-2013

Courses taught:

EDU 202	Introduction to Education
EDU 225	Foundations in Education Psychology
PHS 230	Science content for elementary teachers
EDU 330	Science pedagogy for elementary teachers
EDU 331	Instructional Technology
EDU 678	Master Education experience I
EDU 679	Master Education Experience II

University Saint Mary, Leavenworth, Kansas

Assistant Professor of Education, Grant Director	2016 – present
Accreditation and Grant Coordinator, Assistant Professor of Education	2013 – 2016
Director of Education Programs Overland Park Campus, Assistant Professor	2012-2013

Responsibilities:

- Align and refine Teacher Education Program to meet CAEP accreditation requirements.
- Collect and Analyze teacher education program data to drive instructional improvements.

- Build and maintain data and records collection system for academic and student affairs
- Teaching face to face and online/virtual classes
- Review course syllabi for compliance with State licensure requirements
- Develop, deliver and evaluate professional development for faculty, students, and LEA's
- Manage budgets and comply with state and federal reporting requirements
- Advising students for successful completion of teacher education program
- Attend KSDE and CAEP meetings and training as required
- Oversee MA of Education program and undergraduate courses
- Initiate, monitor, and evaluating functions of program maintenance and improvement

Courses taught:

ED 315	Classroom Assessment and Instructional Approaches
ED 466	Teaching Mathematics in the Elementary School
ED 467	Teaching Science and Health in the Elementary School
ED 600	Problem Solving and Productive Reasoning
ED 723	Research in Education
ED 734	The Adult Learner
ED 746	Teaching Science and Health in Elementary School

Courses taught (continued):

ED 799	MA portfolio ESOL
ED 799	MA portfolio Adult Education
ED 799	MA portfolio Elementary Education
ED 799	MA portfolio Teacher Leader
MA 600	Reasoning in Mathematics
MAT 719	Curriculum Design and Differentiation (on-line)
NS 600	Exploring Earth Systems and Human Activities

Southeast Missouri State University, Cape Girardeau, Missouri

2004 – 2012

NASA Education Specialist, Missouri NASA Education Program, Kansas City Region

- Maintain close contact with DESE to develop material and meet education needs of LEA's
- Development and delivery of K-12 LEA requested STEM content in the Missouri Northwest, Central and Kansas City region
- NASA/STEM-based in-service K-12 teacher training workshops and instructional presentations
- NASA/STEM-based K-12 pre-service teacher training workshops and instructional presentations
- NASA/STEM-based instructional presentations, activities, and projects to K-12 students
- NASA/STEM-based presentations to the general public

University of Missouri Kansas City, Missouri

2004 – 2012

Consultant & Facilitator, Regional Professional Development Center

- Maintain close contact with DESE to ensure delivery of current requirements are aligned
- Partner with Science and Math Missouri Assessment Program facilitators at the Northwest, Central and Kansas City Centers to meet needs of urban, suburban and rural school districts
- Partner with Consultants, Specialists, and Coordinators to meet needs of over 30 school districts

University of Central Missouri Warrensburg, Missouri,*Adjunct Instructor*

2010– 2011

- Courses Taught: Physics for Teachers

Guest Lecturer

2008-2012

- Courses Guest Lectured in:
 - Elementary Science Teaching Strategies
 - Physics for Teachers
 - Biology for Teachers
 - Secondary Science Teaching methods

Missouri Western State University, St. Joseph, Missouri*Guest Lecturer*

2011-2012

- Courses Guest Lectured: Science Methods in Early Childhood, Elementary & Middle School courses

University of Missouri, Kansas City, Missouri*Graduate-level instructor, School of Education Continuing Education*

1995-2012

Courses taught:

- Over 25 customized interdisciplinary graduate level courses offered through individual school districts, Science Pioneers, and the Kansas City Zoo

Adjunct Instructor

2005

Courses Taught:

- Science Methods in the Early Childhood, Elementary, and Middle Schools

Guest Lecturer

2005-2010

Courses Guest Lectured in:

- Science Methods in the Early Childhood, Elementary, and Middle Schools
- Curriculum and Instruction in science

Rockhurst University, Kansas City, Missouri*Guest Lecturer*

2010-2011

Courses Guest Lectured in:

- History and Philosophy of Science & Technology
- Curriculum Methods and Assessment featuring math and science
- Teaching Elementary School Science

Kansas City Missouri School District Magnet School: Southeast Zoo Academy at the Kansas City Zoo Kansas City, Missouri

1994 – 2003

School Education Specialist, Liaison, and Lead Teacher

- Taught across all content areas in school and on zoo grounds to K-8 students
- Lessons delivered to meet state standards and placemat benchmarks
- Developed, implemented, taught, and assessed comprehensive teacher and staff professional development across content areas

Kansas City Zoo Kansas City, Missouri

1994 – 2003

Manager, Community, Schools and Teacher Services

- Manage comprehensive community, school and teacher education programs meeting National and bi-state educational standards and delivering more than 50 structured programs
- Developed curriculum, promoted and delivered teacher training courses, professional development and workshops in conjunction with University of Kansas, University of Missouri Kansas City and area school districts.
- Developed, piloted, and evaluated activities on bio-diversity and multicultural community-based conservation topics to achieve a healthy human and natural environment
- Designed, facilitated, evaluated staff training, highlighting needs assessment, group facilitation, communication with diverse audiences, leadership, and program skills
- Supervised community, school, and teacher educational programming and staff and managed budgets for on and off-site programming
- Developed curriculum, delivered, evaluated onsite and outreach education for pre-k through college level audiences

Cornell University, Ithaca, New York*Residential Community Coordinator, Class of '28, '22 Halls and 112 Edgemore* 1989-1994

- Served as liaison to various University Departments creating a better understanding of student, faculty and staff needs
- Designed, organized, facilitated student staff training, highlighting needs assessment, group facilitation, communication with diverse audiences, leadership, multiculturalism, and program implementation skills
- Developed programs, operational policies, administered program budget and developed budget priorities, increasing participation by over 900%
- Selected, trained and supervised student and professional staff
- Coordinated programming with Faculty in Residence and Faculty Fellows
- Conducted developmental student counseling and discipline sessions
- Participated in coordinating community outreach and facilitated community-university partnerships

GRANT EXPERIENCE

Written and awarded grants totaling more than \$4 million dollars

Grants benefitted Teacher Education Program Development, Teacher Professional Development, Student Education, Conservation practices and public environment education

Select grants written and awarded (complete list available on request):

- Kansans Can Excel in Math and Science
Amount: \$535,253
Funding Agency: Federal Math and Science Partnership Grants Program: Kansas
Description: Co-PI with Dr. Julie Theile, Kansas State University, to provide hybrid and virtual summer institutes and academic year coaching for school districts across the state of Kansas to increase elementary and middle school teachers' pedagogy and content knowledge in science and math.

- PRISM: Pioneers Receiving Instruction in Science and Math
Amount: \$446,686
Funding Agency: Federal Math and Science Partnership Grants Program: Kansas
Description: Provide face-to-face summer institutes and academic year coaching for a high needs school district, USD453, to increase elementary school teachers' pedagogy and content knowledge in science and math.
- 4-H Urban STEM inSpired
Amount: \$1,000
Funding Agency: National Girls Collaborative Project
Description: 4-H girls grades 6-9 from the Kansas City urban region partner with University of Saint Mary Science and Math Majors to explore STEM careers through field trips and hands-on science investigations on Campus.
- The 3 G's of Science: GLE's, Girls, and Giggles: Connecting Girls, Science and Literature
Amount: \$1,000
Funding Agency: Midwest Rural-Urban Girls Collaborative Project
Description: West Platte County R-II 8th graders participated in a mentor-training program to explore science content and careers while working with 2nd graders in reading and science.
- Sounding out Science: 7th Graders Mentor First Grade Students in Science and Phonics
Amount: \$1,000
Funding Agency: Midwest Rural-Urban Girls Collaborative Project
Description: the mentoring project, the middle school students also participated in 2 field trip opportunities. This grant only covered one field trip, but by combining mini-grants the 7th and 8th graders were able to participate in 2 field trips visiting a total of three sites to further explore science, math and technology careers and content.
- BEAMS: Building Excellence and Achievement in Math and Science
Amount: \$2,143,636
Funding Agency: Kauffman Foundation
Description: Grant Writing Coordinator, BEAMS: Building Excellence and Achievement in Math and Science; submitted by Raytown C-2 School District for the Math and Science Initiative funding awarded from the Kauffman Foundation. Core team members: Barbara Condra, Kim Bielawski, Michelle Hofmann-Cain, Marilyn Cannon, Amy Cusumano, Becky Hicks, Lynda Shrader, Marita Wooderson
- Environmental Education and Training Partnership States Grant: Missouri
Amount: \$60,000
Funding Agency: National Environmental Education and Training Partnership
Description: Missouri Environmental Education Association strategic planning and environmental education certification program development.

REFEREED CONFERENCE PAPERS, POSTERS, AND PRESENTATIONS

Bogdon, O., Yeacker, K. Berger, M., Hedge, M., Pettigrew, S. (2020) "*The Story Behind 3 Dimension and Phenomena Based Units.*" Workshop conducted at the Interface A, Osage Beach, MO

Veal, W., Odell, M., Bogdon, O., Scolavino, R. (2020) *How can the National Science Teaching Assotiation Support Teacher Candidates and Professors?* Workshop at the ASTE 2020 International Conference, Association for Science Teacher Education. San Antonio, TX

Bogdon, O. (2019) *Science, Math & Engineering Practices: Facts vs Discovery.* Workshop conducted at the Interface 2019 Professional Development Event sponsored by the Missouri Department of Elementary and Secondary Education. Celebrating 35 Years of Science, Technology, Engineering, and Mathematics Education and Innovation. Osage Beach, MO

Bogdon, O. Thiele, J., (2018) *Minding Teachers' Mindsets: Impact of Professional Development Promoting a Positive School Climate for Learners.* Presentation to the Critical Questions in Education Symposium Kansas City, MO

Bogdon, O. Luther, J., Wischropp, T., (2017). *Crooked Swing.* STEM Conference for Educators. Topeka, KS

Bogdon, O., Hancock, K., Crawford, L. (2016) *Searching for Trends without State Data.* Mathematics and Science Partnerships Program Regional Conference. Baltimore, MD.

Bogdon, O., Crain, N., Lawson, S. (2016). *Teaching Tools to Increase Student Achievement in Mathematics.* Mathematics and Science Partnerships Program Regional Conference. Baltimore, MD.

Bogdon, O., Griffin, L., Muldoon, A., Stewart, M., Nevarez, C., Nez, K. (2015). *Practicing the Practices: Recognizing them in use.* National Science Teachers Association Regional Conference. Kansas City, MO.

Bogdon, O., Stewart, M., Muldoon, A., Nevarez, C., Nez, K., Griffin, L. (2015). *Cross-Cutting Concepts go to S'COOL.* National Science Teachers Association Regional Conference. Kansas City, MO.

Bogdon, Ollie. (2014). *Using Inquiry to Explore the NGSS Science Practices.* Interface Science and Math Conference A & B. Lake of the Ozarks, MO.

Landever, G., Doolittle C., Bogdon, O., Carnahan, P. *Habits of Mind.* (2014). KACTE/ATE-K Conference. Olathe, KS.

Bogdon, O. (2010). *Your Life Is Full Of Space.* National Science Teachers Association Regional Conference. Kansas City, MO.

- Bogdon, O. (2010). *NASA Goes Beyond Space Sciences*. National Science Teachers Association Regional Conference. Kansas City, MO.
- Daugherty, P., Bogdon, O. (2010). *Connecting Math and Science using NASA resources*. the National Science Teachers Association Regional Conference. Kansas City, MO.
- Bogdon, O., Daugherty, P. (2010). *NASA and Math...It All Adds Up*. Interface Science and Math Conference. Lake of the Ozarks, MO.
- Bogdon, O., Whitehead, B. (2009). *Your Life is Full of Space*. Space Exploration Educator's Conference. Houston, TX.
- Carter, S., Bogdon, O. (2009). *Surrounded By A Solar System*. Space Exploration Educator's Conference. Houston, TX.
- Bogdon, O., Carter, S. (2008). *NASA CONNECTS with Math and Science*. Interface Science and Math Conference. Lake of the Ozarks, MO.
- Bogdon, O., Daugherty, P. (2008). *H₂O: The Scientific Tale of One Drops Journey on Earth and in Space*. Space Exploration Educator's Conference. Houston, TX.
- Bogdon, O. (2008). *It All Adds Up: Integrating Science and Math*. Powerful Learning Conference. Kansas City, MO.
- Bogdon, O. (2008). *Bringing NASA Resources into your Classroom*. More-Net Information Technology Conference. Osage Beach, MO.
- Bogdon, O. and Daugherty, P. (2007). *Highlights from NASA: Favorite Best Practices for You to Explore*. Interface Science and Math Conference. Lake of the Ozarks, MO.
- Daugherty, P., Bogdon, O. (2007). *Explore Earth and Space Using NASA's Educational Resources*. Interface Science and Math Conference. Lake of the Ozarks, MO.
- Bogdon, O. (2007). *It All Adds Up to NASA*. National Council for Teachers of Mathematics Regional Conference. Kansas City, MO.
- Carter, S., Bogdon, O. (2007). *NASA Goes Techno*. MOREnet Instructional Technology Conference. Lake of the Ozarks, MO.
- Bogdon, O. (2006). *NASA: More Than Just Space*. Show-Me Professional Development Conference. Lake of the Ozarks, MO.
- Bogdon, O. (2006). *Taking NASA Technology into Your Classroom*. MOREnet Instructional Technology Conference. Lake of the Ozarks, MO.

- Bogdon, O. (2005). *NASA Connects with Math and Science*. Interface Science and Math Conference. Lake of the Ozarks, MO.
- Bogdon, O, Gilbert, J., and Visitacion, J. (2005) *I'm Certified, What's Next: EE RE-Certification*. North American Association for Environmental Education National Conference. Biloxi, MS.
- Bogdon, O, Weaver, J. (2005) *Planning a Networking and Visioning Summit*. North American Association for Environmental Education National Conference. Biloxi, MS.
- Bogdon, O., Tricia H. (2004). *Biodiversity: Life in Balance!* Interface 'A' Science and Math Conference. Lake of the Ozarks, MO.
- Bogdon, O., Grey, P. 2003. *Remarkable Migrations: Explore Animal Navigation Through Star Charts, Compasses, and Interactives!* Interface 'A & B' Science and Math Conference. Lake of the Ozarks, MO.
- Bogdon, O., Jordan, J. (2002). *Genetics & Diversity: Classroom Simulations and Internet Connections*. Interface Science and Math Conference. Lake of the Ozarks, MO.
- Tumlinson, L., MacMillen, O., Downing, C. (2001). *The Many Faces of Masks*. Rocky Mountain Great Plains Regional Social Studies Conference. Overland Park, KS.
- MacMillen, O. (2001). *Clumping, Lumping, and Building a Web*. Interface 'A' Science and Math Conference. Lake of the Ozarks, MO.
- MacMillen, O. (2001). *Blue River Glade: A Community Diversity Environmental Education Project*. American Zoo and Aquarium Association Annual Conference. St. Louis, MO.
- MacMillen, O. (2000). *Suitcase for Survival*. Interface 'B' Science and Math Conference, Lake of the Ozarks, MO.
- MacMillen, O. (2000). *AZA Conservation Education Messages—Where Do We Go From Here?* American Zoo and Aquarium Association Annual Conference. Orlando, FL.
- MacMillen, O., Turlin, C. (1999). *Using Community Partners for Teacher In-services*. Magnet School Conference of America. Tampa, FL.
- MacMillen, O., Parson, C. (1999). *African Safari* Interface 'B' Science and Math Conference, Lake of the Ozarks, MO.
- Smith, E., MacMillen, O. (1999). *The Zoo and Mathematics*. Regional Teachers of Mathematics Conference. Ames, IA.
- MacMillen, O., McClellan, M. (1999). *Siberia—It's More Than Ice and Snow*. National Council for Social Studies Conference. Orlando, FL.

- MacMillen, O., Robyn, T., Blackwell, J. (1999). *Blue River Glade: A Community Diversity Environmental Education Project*. Conservation Conference. San Diego, CA.
- MacMillen, O., Tumlinson, L. (1999). *Introducing MACIE: The Mid America Consortium for International Education*. Kansas Social Studies Conference. Wichita, KS.
- MacMillen, O. (1998). *Teacher Advisory Groups*. American Zoo and Aquarium Association Annual Conference. Tulsa, OK
- Duckworth, M., MacMillen, O. (1997). *Economics and the Environment* Rocky Mountain Great Plains Regional Social Studies Conference. Overland Park, KS.
- Smith, E., MacMillen, O., Vickers, J. (1997). *The Zoo and Mathematics*. Missouri Council of Teachers of Mathematics Fall Conference. Columbia, MO.
- MacMillen, O. (1996). *Focusing in on Volunteer Energy: Kansas City Zoo Camera Club*. American Zoo and Aquarium Association Annual Conference. Honolulu, HI.
- MacMillen, O. (1995). *HIStory/OURstory: Gaining Perspective in Cultural Interpretation*. American Zoo and Aquarium Association Central Regional Conference. Wichita, KS.
- MacMillen, O. (1994). *The Educational Effectiveness of a Zoo Outreach Program in Working with a Classroom Curriculum Unit*. American Zoo and Aquarium Association Northeast Regional Conference. Hershey, PA.
- MacMillen, O. (1994). *Zoomobile Effectiveness: Sixth Graders Learning Vertebrate Classification*. American Zoo and Aquarium Association Annual Conference. Atlanta, GA.

PUBLICATIONS

- KSHB Channel 41 and Kansas City Royals 2020
Consultant
- Wrote *A Look at Clouds from KSHB Channel 41 School Day at the K* in conjunction with students from Missouri Western State University. This is a Pre/Post Unit plan for Teachers to use in conjunction with attending School Day at the K.
- Mid-America Regional Council, Kansas City, Missouri 2004
Consultant
- Conducted environmental education study in the bi-state Kansas City region to identify strategies to improve integration of environmental education
 - Identified current state of environmental education in the bi-state Kansas City region
 - Identified target timeframe and develop goals with measurable outcomes to expand environmental education and enhance integration within and across academic subjects

American Zoo and Aquarium Association, Silver Spring MD 2003
Project Advisor - Multi-Institutional Visitor Education Project

Assisted in literature review to create the background research in preparation for a National Science Foundation Research Grant. Literature Review was published as Visitor Learning in Zoos and Aquariums. The NSF research grant findings were published in 2007 as *Why Zoos & Aquariums Matter: Assessing the Impact of a Visit to a Zoo or Aquarium*

INVITED PAPERS, PRESENTATIONS, WORKSHOPS, AND PUBLICATIONS

Bogdon, O. (2020). *How can the National Science Teaching Association Support Teacher Candidates and Professors*. Workshop conducted at the ASTE 2020 International Conference, The Association for Science Teacher Education. San Antonio, TX

Bogdon, O., Konishi, H. (2019) *Cognitive Science, Trauma, and Creating an Environment for Healing*. Presentation to the 2019 Annual Child Abuse, Education, Prevention and Investigation Conference. St. Joseph, MO

Bogdon, O. (2019). *Using the NSTA Learning Center as an e-textbook*. Invited Lecture presented to National Science Teachers Association National Conference. St. Louis, MO

Bogdon, O., Peyser, L. (2016). *Connecting Math and Science through Ratios, Statistics, and Modeling*. Keynote presentation at Kansas Excellence in Math and Science Teaching Conference. Hutchison, KS

Bogdon, O., Lutz, A., Shreve, N. (2016). *Pioneers Receiving Instruction in Science and Math MSP Grant highlights*. Kansas Excellence in Math and Science Teaching Conference. Hutchison, KS

Bogdon, O., Sharpley, S. (2014) *Using Virtual Math Manipulatives with the Standards for Mathematical Practices*. Presentation at KCPT K-12 Technology Conference: Redefine Your Classroom. Overland Park, KS.

Bogdon, O., Landever, G. (2013) *Live Binders: Taking the 3 ring out of notebooks*. Presentation at KCPT K-12 Technology Conference: Redefine Your Classroom. Overland Park, KS.

Landever, G., Bogdon, O. (2013) *Common Core and Screen Kids: Infusing 21st Century Teaching and Learning*. Presentation at KCPT K-12 Technology Conference: Redefine Your Classroom. Overland Park, KS.

Bogdon, O. (2012). *Ready, SET, NASA: Engaging Youth in STEM Education Using Resources from NASA*. Roundtable Poster at North Central 4-H Science Academy. St. Louis, MO.

Bogdon, O., (2012) *PBS Learning Media: Learning 360 meets NASA.gov*. Speaker at KCPT K-12 Technology Conference. Overland Park, KS.

Bogdon, O. (2011). *NASA Goes Beyond Space Sciences Bringing You Fun Science Today for a More Inquisitive Tomorrow*. Presentation at Missouri Library Association Annual Conference. Kansas City, MO.

Bogdon, O. (2011). *Despite Your Own Fears, You Too Can Get Youth Excited About Science*. Keynote Address at the Mid-America Library Alliance Professional Development Children's Workshop. Kansas City, MO.

Thompson, M. and Bogdon, O. (2011). *Weathering the Storm at School Day at the K*. Presentation to over 15,000 students and teachers at School Day at the K with WDAF Fox 4 weather team. Kansas City, MO.

Bogdon, O. (2010). *Using NASA's Educational Resources for Teaching Your Students*. Presentation for the student chapter of Missouri National Education Association Chapter of the University of Central Missouri. Warrensburg, MO.

Thompson, M. and Bogdon, O. (2010). *Weathering the Storm at School Day at the K*. Presentation to over 15,000 students and teachers at School Day at the K with WDAF Fox 4 weather team. Kansas City, MO.

Bogdon, O. (2010). *Fun with NASA Science, From UV Rays to Microgravity: What You Can Explore at Home*. Hands-on Science experiments for families at the Family Matters Science Day with the National Science Teachers Association Regional Conference. Kansas City, MO.

Thompson, M., Bogdon, O. (2009). *Weathering the Storm at School Day at the K*. Presentation to over 15,000 students and teachers at School Day at the K with WDAF Fox 4 weather team. Kansas City, MO.

Bogdon, O. (2009). *Going Green With NASA*. Workshop at Missouri Master Naturalist State Continuing Education Conference. Kansas City, MO.

Bogdon, O. (2008). *Bringing NASA Into Your Classroom*. Presentation at Missouri State Teachers Association Conference. Kansas City, MO.

Bogdon, Ollie. (2008). *Bringing NASA into Your Classroom*. Presentation at Science, Math, and Resources in Technology for Teachers Conference. Overland Park, KS.

Bogdon, Ollie. (2008). *NASA Goes Beyond Space Sciences*. Presentation at Missouri National Education Association Conference. Kansas City, MO.

Bogdon, O. (2008). *Enhance your After School Program with NASA Resources*. Presentation at the After School Science Academy. Kansas City, MO.

- Thompson, M., Bogdon, O. (2008). *Weathering the Storm at School Day at the K*. Presentation to over 15,000 students and teachers at School Day at the K with WDAF Fox 4 weather team. Kansas City, MO.
- Bogdon, O., Visitacion, J. (2005). *Certifying Environmental Education Providers*. Presentation at Environmental Education and Training Partnership International Leadership Conference. Shepherdstown, WV.
- McReynolds, C., Williams, S., Bogdon, O. (2005). *Giving Your State Association a Boost*. Presentation at Environmental Education and Training Partnership International Leadership Conference. Shepherdstown, WV.
- Bogdon, O. (2005). *NASA Resources for Your Classroom*. Presentation at Launching a Dream: The First Step to the Future. Liberty, MO.
- Schmidt, D., Bogdon, O. (2003). *Using an Immersion Exhibit to Supplement Teaching Culture and Wildlife through East Africa*. Teacher Presentation at African Studies Summer Institute. Kansas City, MO.
- Bogdon, O., Schmidt, D. (2002). *Culture and Wildlife Through East Africa*. Teacher Presentation at African Studies Summer Institute. Lawrence, KS.
- MacMillen, O., Tumlinson, L., Collins, K. (1999). *Introducing MACIE: The Mid America Consortium for International Education*. Teacher Presentation at the National Institute for Technology Conference. North Kansas City, MO.
- MacMillen, O. (1997). *Culture and wildlife through East Africa*. Presentation at Teaching Africa: Avoiding Stereotypes Workshop. Lawrence, KS.
- MacMillen, O. (1997). *Focus on Endangered Species: Corporate Zoomer Education Program*. Presentation at Jazzoo Corporate Donor School Mentoring Program kickoff. Kansas City, MO.
- MacMillen, O. (1996). *Trash Impact*. Article in Kansas City Zoo News. Kansas City, MO.
- MacMillen, O. (1994). *What is Culture: An Exploration of Group Facilitation with Diverse Audiences*. Presentation at Cornell University Student Government Leadership Conference. Ithaca, NY.
- MacMillen, O. (1993). *Native Americans as Environmentalists*. Teacher workshop presented at the Southern Tier Environmental Educators Network Teachers Conference. Binghamton, NY.
- MacMillen, O. (1993). *P is for Periwinkle: A Look at Exposure on the Development of L. littorea*. Paper presented at Shoals Marine Lab. Portsmouth, NH.

Speer, N., MacMillen, O. (1990). *Island Classroom*. Article in Cornell Alumni News Magazine. Ithaca, NY.

GRADUATE LEVEL EDUCATIONAL STUDY TRIPS COORDINATED AND MANAGED

Belize 1997

Recruited and traveled with 22 Teachers and Educators spending 2 weeks investigating and studying tropical rainforests flora, fauna, and cultures and coral reefs and ocean systems in Belize. Curriculum units were produced for elementary and high school education upon return.

Tanzania and Kenya 2000

Recruited and traveled with 23 Teachers and Educators spending 3 weeks investigating and studying flora, fauna, and cultures of East Africa. Curriculum units were produced for elementary and high school education upon return.

RESEARCH STUDY TRIPS PARTICIPATION

Fulbright-Hays Grant to Western Russia and Siberia 1998

Traveled to Siberia for 5½ weeks investigating and studying flora, fauna, and cultures of Siberia and north-central Asia. Research was used in preparation and design for proposed Kansas City Zoo's Asia Expansion.

NATIONAL AND STATE CERTIFICATION

GLOBE, Global Learning and Observations to Benefit the Environment train the trainers in scientific measurement protocols in the areas of: Atmosphere/Climate, Hydrology, and

Phenology including:

Atmosphere Max/Min/Current
Temperature
Atmosphere Clouds
Atmosphere Precipitation
Atmosphere Relative Humidity
Land Cover Biometry
Land Cover Land Cover Site
Land Cover Use of MUC
Phenology Green-down

Phenology Green-up
Phenology Hummingbirds
Phenology Budburst
Projects Carbon Cycle
GLOBE Resources Elementary GLOBE
GLOBE Resources Understanding
GLOBE Student Data
Soil Temperature

Project WILD

Project Learning Tree

Project WET

SERVICE TO UNIVERSITY

CAEP standards study review group (2014-2016)

Department of Education Strategic planning (2014-2015)

Education Department Advisory Council (2012-present)

Faculty Search Committee –at-large representative (2013)

Faculty Search Committee –content member (2013; 2014; 2017)

SERVICE TO UNIVERSITY - continued

Faculty Senate (2012-present)

Habits of Mind Book Study Presenter (2013-2014)

Institutional Review Board –chair MAT/MAED research protocols (2013-2015)

Institutional Review Board –member/reviewer (2013-present)

KACTE/ATE-K - Fall Conference - Hosted (2014)

Kansas's Can Excel- multi-institutional Grant Implementation Team (2016-present)

KSDE Math regional training - Hosted (2016)

KSDE/CAEP accreditation site visiting team (2017-present)

MSP-PRISM Grant Implementation Team (2013- 2016)

Teacher Advisory Board (2012-present)

Teacher Education Committee (2012-present)

University Teaching Triangles (2012-present)

USM planning Committee for Concert for the Climate (2013-2014)

WDAF-TV School Day at the K Liaison- (2012-present)

PROFESSIONAL AND COMMUNITY SERVICEUniversity of Missouri Extension

4-H Global Conference Presenter

Club Leader and Project Leader

Exhibit judge

Grant writer

Inquiry Methods Training Developer for program staff and volunteer leaders

Power of the Wind pilot education training team

Professional Development instructor for Youth Education Specialists

Science Pioneers

Board Liaison

Board Member

Program Advisory Committee-member

Science and Engineering Fair Judge

Science Pioneers Program Committee-Chair

Kansas City Environmental Education Network

Environmental Education resource guide development/design committee

Environmental Education Roundtable planning committee

Founding member

Teacher Resource Day planning committee

Missouri Environmental Education Association

Board Member-at-Large

Coordinator for Networking and Visioning Summit for State Environmental Literacy

Stakeholders

Environmental Education and Training Partnership Project Manager

Strategic planning design committee

American Zoo and Aquarium Association (AZA)

Conservation Education Committee Conservation Messages Task Force
Conservation Education Committee Education list-serve contributor
Conservation Education Committee Evaluation Task Force
Multi-Institutional Research Project Advisory Board
Multi-Institutional Research Project Literature Review Advisory Committee
Tree Kangaroo Education Liaison and Curriculum developer

Kansas City Zoo

Blue River Glade Multicultural and Diversity Program Liaison
Curatorial Staff Selection Committee
DESE Curriculum Alignment Team
Jazzoo Planning Committee
KCMSD South-East Zoo Academy, Zoo Liaison
Public/private transition team
Special Exhibits Curriculum planning Committee
Teacher Advisory Group, Staff Liaison
Zoo photo club staff Liaison

Bridging the Gap

Environmental Educators Network member
Grant reviewer
Grant writer
School Education advisor
Speakers Bureau

Cornell University

Community Outreach Project Facilitator
Crises Prevention and Skills Training Committee
Faculty Fellow and Faculty in Residence Program Steering Committee
Faculty in Residence Recruitment, Selection and Support Committee
Professional Staff Requirement Selection Hiring Committee
Student Leader Development and Training Steering Committee
Student Staff Recruitment, Selection, and Training Committee

New York State Cornell Cooperative Extension

County Extension Youth Programs Ambassador Advisor
Educational Program Developer and Evaluator
Incubation and embryology Teacher Training seminars, in-vitro specialist
Natural Resources Appreciation Project Site Coordinator
New York State Fair Poultry Science Volunteer Coordinator
NYS 4-H Foundation Leader Training Tapes, Writer and Producer
Poultry Science Regional Education Workshop Educator
Project and Club Leader

AWARDS AND HONORS

All-American Masters Track and Field

Outstanding Doctoral Dissertation Fellowship

UMKC Women's Council Graduate Assistance Fellowship

Fulbright-Hays funding to travel to Siberia

Association of Zoo Horticulture Conservation Award

EPA Region VII Outstanding Environmental Education Educator

Bridging the Gap Environmental Excellence Award

AZA Conservation Education School- inaugural class

AZA Significant Achievement Award for Case Studies outreach kit program

Danforth I Dare You Leadership Award

National Achievement Scholarship (one of nine in U.S.A.)

Partner in Extension — New York State

Presidential Tray Recipient (one of six in U.S.A.)