

Ollie Bogdon PhD

Obogdon@missouriwestern.edu

EDUCATION

Ph.D, Education: Curriculum and Instruction-Elementary Science, and Public Affairs
and Administration, University Missouri Kansas City
2002

M.S., Graduate School, Cornell University Ithaca, New York 1994
Emphasis: Science Education, Adult and Continuing Education

B.S., Agriculture and Life Sciences, Cornell University Ithaca, New York 1989

PROFESSIONAL INTERESTS

Teacher Preparation Education Program Development; Science readiness to teach elementary school students. 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 Science Education for Teachers and Students; Employing a growth mindset, growing diverse teachers to meet the challenges of today's diverse students.

PROFESSIONAL POSITIONS

Missouri Western State University, Saint Joseph, Missouri

Assistant Professor of Education	2018 – present
Grant Director	2018
Undergraduate Curriculum Committee member	2018 – 2019
Undergraduate Curriculum Committee Sub-committee Chair	2019 – 2020
Undergraduate Curriculum Committee Secretary	2020 – 2021
Faculty Senate Salary Committee Secretary	2022-present

Courses taught:

EDU 150 Psychological Development of Children and Adolescents for Educators (2021-present)

EDU 202-Introduction to Education (2019-present)

EDU 225-Educational Psychology (2018)

EDU 230 Science Content for the Elementary Teacher (2020-present)

EDU 250 Assessment and data analysis (2021-present)

EDU 330-Sci Methods in EC/Elem/Mid School (2018-present)

EDU 331-Instructional Media and Technology (2020-present)

EDU 661-Differentiated Instruction (2020-present)

EDU 678-Master Educator Experience - I (2019-present)

EDU 679-Master Educator Experience - II (2020-Present)

PHS 230-Physical Science for Elem Teachers (2018-2020)

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

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 600	Using Formative Assessment to Drive your Lesson/Unit Instruction
ED 723	Research in Education
ED 734	The Adult Learner
ED 746	Teaching Science and Health in Elementary School
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 schools and 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, and program implementation skills
- Developed programs, operational policies, administered program budget and developed budget priorities, increasing participation in fitness center 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.

PUBLISHED RESEARCH

Thiele, J. and **Bogdon, O.** (2020) Renovating Science Professional Development to Meet Teachers' Needs. *The Advocate*, Vol. 25: (No. 2), <https://doi.org/10.4148/2637-4552.1135>

Williams, M, Botello, J, & **Bogdon, O.** (2022). Navigating Necessary Change: Leadership through Technology Transformation. *Ubiquitous Learning: An International Journal* Vol. 16: (No.1), 13-29. <https://doi.org/10.18848/1835-9795/CGP/v16i01/13-29>

Thiele, J. and **Bogdon, O.** (2022) Building a Virtual STEM Professional Learning Network for Rural Teachers. *Theory and Practice in Rural Education*, Vol. 12 (No. 2)—in press

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

ARTICLES UNDER REVIEW/RETURNED FOR REVISIONS

Bogdon, O. Thiele, J. (2021 in revision) Providing Equitable Access to Professional Learning Experiences for All Science Teachers: Simultaneous Virtual and Face-to-Face Investigations, *Science Scope*,.

GRADUATION CAPSTONE COMMITTEES

2022-present Olson, Olsen, Emily. Title unknown at this time

2021-2022 Wentzel, Leslie. Promoting ELL Family Involvement at School: Family Outreach – Meeting Needs & Opening Doors

2021-2022 Wunderlich, Sally.Jo. “ELL Parent Involvement: Chouteau Elementary School

2019-2020 Lemunyon, Sara. “Amusement Park ELL and Disability Interaction Training.” Capstone Research. *Committee Chair*.

ADD in ALL of USM and update MWSU

PEER REFEREED PUBLISHED PAPERS IN CONFERENCE PROCEEDINGS

American Zoo and Aquarium Association, Silver Spring MD

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.

REFEREED CONFERENCE PAPERS, POSTERS, AND PRESENTATIONS

Bogdon, O., Berger, B., Yeacker, K., Pettigrew, S., Hedge, M. (2020) *The Story Behind Three Dimensions and Phenomena Based Units*. Interface A Science and Math Conference. Osage Beach, MO

Bogdon, O., (2019) *Science, Math & Engineering Practices: facts vs discovery*. Interface A Science and Math Conference. Osage Beach, MO

Bogdon, O. Thiele, J., (2018) *Minding Teachers' Mindsets: Impact of Professional Development Promoting a Positive School Climate for Learners*. Critical Questions in Education National 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 National Conference. Baltimore, MD.

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

INVITED PAPERS, PRESENTATIONS, WORKSHOPS, AND PUBLICATIONS

- Thiele, J. and **Bogdon, O.** (2022) Building a Virtual STEM Professional Learning Network for Rural Teachers. *Theory and Practice in Rural Education*, Vol. 12 (No. 2)—in press

- Veal, W., Odell, M., Bogdon, O., Scolavino, R. (2020). *How Can the National Science Teaching Association Support Teacher Candidates and Professors?* Association for Science Teacher Education International Conference. San Antonio, TX.
- Bogdon, O., (2019) *Using NSTA-LC as an Electronic Textbook*. Speaker at NSTA National Conference. Saint 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 MWSU

Department of Education Strategic planning meetings (EC and EE) (2018-present)

Education Department Advisory Council (2018-present)

DESE Science State training - (2018-present)

CAEP data analysis sub-committee (2018-present)

MSP-EXCEL Grant Reports Representative (2018)

Undergraduate Curriculum Council member (2018-2019)

Undergraduate Curriculum Council subcommittee Chair (2019-2020)

Undergraduate Curriculum Council Secretary and subcommittee member (2020-present)

Union Station, Science City University Liaison (2018-present)

MWSU planning Committee for Child Abuse and Neglect Conference (2019-2020)

WDAF-TV School Day at the K Liaison- (2018-present)

SERVICE TO USM

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)
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 (2013-2018)
KACTE/ATE-K - Fall Conference - Hosted (2014)
Kansan’s Can Excel- multi-institutional Grant Implementation Team (2016-2018)
KSDE Math regional training - Hosted (2016)
KSDE/CAEP accreditation site visiting team (2017-2018)
MSP-PRISM Grant Implementation Team (2013- 2016)
Teacher Advisory Board (2012-2018)
Teacher Education Committee (2012-2018)
University Teaching Triangles (2012-2018)
USM planning Committee for Concert for the Climate (2013-2014)
WDAF-TV School Day at the K Liaison- (2012-present)

PROFESSIONAL AND COMMUNITY SERVICE

University 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

MWSU Advisor Shout-Out Award Nominee
2019 Ranked #1 in the Word-Super Weight Throw
2019 Ranked #1 in the Word-Ultra Weight Pentathlon
2019 Ranked #1 in the USA-Super Weight Throw
2019 Ranked #1 in the USA- Ultra Weight Pentathlon
2019 Ranked #2 in the USA-Throws Pentathlon
2019 Ranked #5 in the USA-Hammer Throw
2019 Ranked #6 in the USA-Weight Throw
All-American Masters Track and Field (shot, discus, hammer, weight, super weight)
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.)

ORGANIZATIONS

National Science Teaching Association (NSTA)
Association for Science Teacher Education (ASTE)
International Society for Technology in Education (ISTE)
Kappa Delta Pi- International Honor Society in Education (KDP)
Kansas City Environmental Education Association (KCEEN)-Founding member