

ALLISON L. FREED, Ph.D.

EDUCATION

Michigan State University, East Lansing, MI

Ph.D. Educational Psychology and Educational Technology 2015

Graduate Certificate Science Education

Dissertation: *The Association of Environmental Identity with Pro-Environmental Behaviors and Decision-Making*

Central Michigan University, Mt. Pleasant, MI

B.S. Secondary Education 2007

Majors: Biology and Integrated Science

Minors: Leadership Studies and Outdoor & Environmental Education

PUBLICATIONS

- Benavides, A., Freed, A., Huffling, L., (in press). Teacher Education Study Abroad at the Vanguard for Global Citizenship and Environmental Sustainability Education. In *Educational Response, Inclusion and Empowerment for SDGs in Emerging Economies: How do education systems contribute to raise global citizens?* Springer.
- Freed, A., Benavides, A., & Huffling, L. D. (2021). Transformative Study Abroad and the Development of Preservice Teachers' Culturally Competent Pedagogy as Action Toward a Re-Imagined Future. *Journal of Higher Education Theory and Practice*, 21(11), 203-219.
- Miller, H., Johnson, W., Freed, A., Doherty, J., Anderson, C.W. (Proposal accepted). The Role of Crosscutting Concepts in Developing a Three-Dimensional Learning Progression Framework. *Learning Progressions in Science*.
- Freed, A., Benavides, A., & Huffling, L. (2019). Teaching, Reflecting and Learning: Exploring Teacher Education Study Abroad Programs as Transformational Learning Opportunities. In *Pedagogy in Basic and Higher Education-Current Developments and Challenges*. IntechOpen. [PDF](#)
- Freed, A., & Wong, D. (2019). The relationship between university students' environmental identity, decision-making process, and behavior. *Journal of Sustainability Education*, 20. [PDF](#)
- Freed, A. (2017). The relationship between university students' environmental identity, decision-making process and behavior. *Environmental Education Research*, 1-2.
- Freed, A.L. (2016). "Green Fire: Aldo Leopold and a land ethic for our time, by A. Dunsky, S. Dunsky, and D. Steinke." *The Journal of Environmental Education*, 47(4), pp. 322–323. [Citation](#)
- Dauer, J.M., Doherty, J. H., Freed, A. L., & Anderson, C. W. (2014). Connections between student explanations and arguments from evidence about plant growth. *Life Sciences Education*. 13, 397-409. [PDF](#)
- Ferkany, M., Freed, A.L. & Stapleton, S. R. (2014). Navigating Environmental Attitudes [Review of the book *Navigating Environmental Attitudes* by Thomas A. Heberlein]. *Journal of Environmental Education*. 45(2), 134-137. [Citation](#)

PRESENTATIONS

- Freed, A. (2022). Leveraging Transformative Teacher Education Study Abroad Practices to Reorient Field Experiences to Encourage Cultural Competence. Paper Presentation for Association of Teacher Educators (ATE), Chicago, IL. [Presentation](#)
- Freed, A. (2022). *Enhance Your Teaching Practice with Video Journaling*. Poster/Demonstration Presentation. University of Tennessee Knoxville Innovative Teaching and Learning Conference. Virtual. [Presentation](#)
- Freed, A., Benavides, A., & Huffling, L. (2021, September). *Educator Preparation in a Global Society: Leveraging Study Abroad/Away Experiences for Culturally Competent Teachers*. Paper Presentation for Arkansas Association for Teacher Educators (ArATE), Virtual.
- Freed, A., Benavides, A., & Huffling, L. (2021, April). *Toward a Reimagined Future: Transformative Study Abroad for the Development of Preservice Teachers' Cultural Competence*. Paper Presentation for American Educational Research Association (AERA), Virtual. [Presentation](#)
- Benavides, A., Freed, A., & Huffling, L. (2021, April). *Transformative Environmental Education Study Abroad for Preservice Teachers: Nurturing Critical Environmental Awareness Toward Pedagogical Action*. Roundtable Presentation for American Educational Research Association (AERA). Virtual.

- Freed, A., Benavides, A., & Huffling, L. (2020, October). *The Transformational Journey from International Experience to Culturally Responsive Teaching*. Research Presentation for Mid-South Educational Research Association (MSERA), Virtual. [Presentation](#)
- Freed, A., Benavides, A., & Huffling, L. (2020, October). *Passageways to Multiple Cultural Understandings: Engaging Marginalized Students with People and 'Place' Abroad*. Poster Presentation for North American Association for Environmental Education (NAAEE), Virtual. [Poster](#)
- Freed, A., Benavides, A., & Huffling, L. (2020, September). *Bringing the Learning Home: Leveraging Study Away Experiences to Develop Culturally Competent Teachers*. Research Presentation for Arkansas Association for Teacher Educators (ArATE), Virtual. [Presentation](#)
- Freed, A., Benavides, A., & Huffling, L. (2019, November). *Passageways to Multiple Cultural Understandings: Engaging Marginalized Students with People and 'Place' Abroad*. Poster Presentation for Council on International Education Exchange (CIEE), Brooklyn, New York. [Poster](#)
- Freed, A., Benavides, A., & Huffling, L. (2019, October). *Collaborative research for equitable access to transformational EE study abroad*. Roundtable presentation for North American Association for Environmental Education (NAAEE), Lexington, Kentucky. [Presentation](#)
- Freed, A., Sconiers, W., & Hagaman, J. (2019, October). *Flip or Flop: Student Reactions to Flipped Classrooms Across Disciplines*. Presentation for Arkansas Association of Teacher Education, Russellville, Arkansas. [Presentation](#)
- Freed, A., Benavides, A., & Huffling, L. (2019, October). *Transformation through Teacher Education Study Abroad Experiences* Presentation for Arkansas Association for Teacher Education. Russellville, Arkansas. [Presentation](#)
- Freed, A., Benavides, A., & Huffling, L. (2018, October). *Intercultural sensitivity and environmental identity: Experiences with study abroad programs*. Poster presentation for North American Association for Environmental Education (NAAEE), Spokane, Washington. [Poster](#)
- Huffling, L., Freed, A., Benavides, A. (2017, October). *Study abroad programs: Exploring intercultural sensitivity and environmental identity*. Roundtable presentation for North American Association for Environmental Education (NAAEE), San Juan, Puerto Rico.
- Freed, A. (2017, November). *The Use of Video Logs to Facilitate Reflection After Intercultural Interactions*. Poster Presentation for Council on International Education Exchange (CIEE), Austin, Texas. [Poster](#)
- Freed, A. (2018, February). *Using Cross Cultural Experiences and Technology to Promote Cultural Competence in Pre-Service Teachers*. Paper Presentation for the Association of Teacher Education (ATE), Las Vegas, Nevada.
- Freed, A. (2017, October). *Using Cross Cultural Experiences and Technology to Promote Cultural Competence*. Roundtable Presentation for the Southeastern Regional Association of Teacher Education (SRATE), Rogers, Arkansas
- Freed, A., Stone, B., Terry, P., & Taylor, J. (2017, October). *Using Discussions on Fairness to Encourage Social Justice*. Paper Presentation for the Southeastern Regional Association of Teacher Education (SRATE), Rogers, Arkansas. [Presentation](#)
- Freed, A.L. (students). (2017, November). *Integrating the Three Dimensions of Science*. Lecture Presentation for Arkansas Curriculum Conference (ACC), Little Rock, Arkansas.
- Freed, A.L. & Benavides, A. (2016, October). *Building an EE Support Group: Advancing EE Practice and Research*. Roundtable presentation for North American Association for Environmental Education (NAAEE), Madison, Wisconsin.
- Freed, A. L., Stephenson, S., Terry, P., & Taylor, J. (2016, September). *Executing Programmatic Innovations Together*. Presentation for Arkansas Association for Teacher Education, Russellville, Arkansas.
- Freed, A. L. (2015, October). *Thinking Fast or Slow: Exploring the Relationship between Environmental Identity and Decision Making*. Poster presentation for North American Association for Environmental Education (NAAEE), San Diego, California.
- Freed, A. L. (2014, October). *The Essence of Childhood Outdoor Experiences*. Poster presentation for North American Association for Environmental Education (NAAEE), Ottawa, Ontario, Canada.
- Freed, A. L., Ferkany, M., Miller, H., & Stapleton, S.R. (2014, October). *Creating an EE Community to Support Your Research Needs*. Workshop presentation for North American Association for Environmental Education (NAAEE), Ottawa, Ontario, Canada.
- Freed, A.L., Dauer, J., Doherty, J., & Anderson, C. (2014, April). *Relationships between students' inquiry and application practices for carbon-transforming processes*. Paper presentation for National Association for Research on Science Teaching (NARST), Pittsburg, Pennsylvania.
- Miller, H., Freed, A., Doherty, J., Johnson, W., & Anderson, C. (2014, April). *Components of Level 3 Reasoning*. Paper presentation for National Association for Research on Science Teaching (NARST), Pittsburg, Pennsylvania.
- Freed, A.L., Dauer, J., Doherty, J., & Anderson, C. (2014, March). *Relationships between students' inquiry and application practices for carbon-transforming processes*. Poster presentation for Create for STEM, East Lansing, Michigan.
- Miller, H. & Freed, A.L. (2013, October). *Climate Change Curriculum: "Extreme Makeover Lifestyle Edition!"* Hands on Presentation for the North American Association for Environmental Education, Baltimore, Maryland.
- Freed, A.L. & Kaid, T. (2013, June). *Response to Intervention (RtI)*. Presentation at the University of Botswana Symposium, Gaborone, Botswana.

- Webster, A.L. (2013, April). *Participants' Perceived Learning During an Outdoor Service Adventure*. Poster presented at AERA, San Francisco, CA.
- Miller, H., Freed, A., Dauer, J., & Anderson, C. (2013, April). *Alternative Learning Trajectories Toward Understanding Matter and Energy in Socio-Ecological Systems*. Paper presentation at NARST (National Association for Research in Science Teaching) San Juan, Puerto Rico.
- Webster, A.L. (2012, November). *Participants' Perceived Learning of Civically Responsible Behaviors During an Outdoor Service Adventure*. Poster presented at the annual meeting of the Association for Experiential Education, Madison, WI.
- Wong, E.D. & Webster, A.L. (2012, April). *Becoming globally competent in culturally unfamiliar situations*. Poster presented at the annual meeting of AERA, Vancouver, BC, Canada.
- Wong, E.D. & Webster, A.L. (2012, March). *Using digital video logs to promote global competency in study abroad students*. Paper presentation for Forum on Education Abroad, Denver, CO.

TEACHING EXPERIENCE

Assistant Professor in Instructional Technology

University of Central Arkansas, Conway, AR January 2022-present

Associate Professor in Education/Science Education

University of the Ozarks, Clarksville, AR April 2021-December 2021

Teaching general education courses including an introductory educational psychology course and science methods courses. Recruiting students across campus to secondary science education and engaging schools with science activities including family science nights. Serving on various committees on campus. Advising students in the education program.

Assistant Professor in Education/Science Education

University of the Ozarks, Clarksville, AR 2015-2021

Responsibilities of managing, developing and implementing new science education courses. Recruiting students across campus to secondary science education and engaging schools with science activities including family science nights. Teaching general education courses including an introductory educational psychology course.

Courses Taught:

Theories of Human Learning
 Behavior Management in the Classroom
 Families and Students in a Diverse Society
 Specialty Practicum-Special Education
 Human/Cultural Geography
 Planning, Instruction and Assessment for Students with Disabilities
 Ozarks Seminar (First Year Experience)
 Principles of Learning and Teaching

Courses Developed & Taught:

Integrating the 3 Dimensions of Science (Elementary Science Methods)
 Children and Nature: An Analysis of the Developmental Benefits of Learning Outdoors (First Year Seminar)
 Learning and Culture in Europe (Study Abroad Course)
 Research Methods in Education

Graduate Teaching Assistant/Instructor

Michigan State University, East Lansing, MI 2010-2015

Instructor TE 825 Learning and Motivation Summer 2014

Woodrow Wilson Fellows and Noyce Scholars Course

Instructor for an Educational Psychology course for Master's level pre-service science teachers enrolled in the Woodrow Wilson Teaching Fellowship program and the Noyce Scholars program. The Woodrow Wilson Teaching Fellowship and the Noyce Scholars programs are designed to prepare individuals with backgrounds in STEM related fields to teach science in high need urban secondary and elementary schools. Organized Lansing area field experiences with

community partners such as the Boys and Girls Club. These partnerships provided students opportunities to teach science lessons to children from the local urban area.

Special Education Lab Instructor 2012, 2014, 2015

Prepared and planned six two-hour special education lessons for pre-service secondary teachers in collaboration with in-service science and special education teachers. Taught differentiated instruction methods, special education laws, and a variety of other topics. Evaluated the effectiveness of the lab by analyzing and finding patterns in students' final projects. After the lab, students were successful at recognizing learning disabilities, they were able to conduct research for differentiated learning teaching strategies, and were able to accommodate their lessons according to their students' learning needs.

Teaching Assistant TE 802 & 804 Master's Level Secondary Science Methods 2012-2013

In collaboration with two professors and one graduate student, prepared and planned master's level lessons for students in their teaching internship year. Provided feedback and mentorship to students during their year-long student teaching experience.

Field Instructor Secondary Science 2012-2013

Supervised two science interns in a high school in a rural context during their year-long internship; responsible for field observations, conferences with interns and mentor teachers, and final program assessments.

Teaching Assistant TE 407 & 408 Secondary Science Methods 2011-2012

Collaborated with two professors and one other graduate student in preparing lessons on science teaching, technology use in the classroom, special education topics, and the Next Generation Science Standards. Was responsible for small groups of Biology teachers. My responsibilities included analyzing and critiquing lessons plans and other assignments as well as teaching lessons.

Teaching Assistant/Instructor TE 150 Reflections on Learning-Urban Education Cohort Program 2013, 2014

Communicated and worked with a team of instructors to prepare lessons on Educational Psychology topics within an urban context. Topics included: motivation, ecological theory, culturally relevant pedagogy, stereotype threat, etc. Taught interactive, group oriented lessons. Facilitated a field trip to Chicago Public Schools. Participated in a leadership role by mentoring and sharing lessons and experiences with new instructors.

Teaching Assistant /Instructor TE 150 Reflections on Learning 2010, 2011, 2012

Prepare lessons on Educational Psychology topics with a team of instructors. Organized a variety of cooperative learning activities. In collaboration with the Center for Service Learning and Civic Engagement at MSU, provided students with the opportunity to complete service learning projects within the Lansing community. Mentored new TE 150 instructors.

Teaching Assistant CEP 806 Teaching Science with Technology (Master's Level online) 2010

Communicated weekly with students through email and Facebook. Assessed students' online discussions using social media sites. Encouraged in-service teachers to implement technology within their lessons.

K-12 Teaching Experience

Grand Ledge Public Schools Grand Ledge, MI Jan. 2008-June 2010

- High School Special Education Science Teacher
Caseload of 13 students with learning challenges, ADHD, and emotional impairments. Organized and led IEP meetings. Taught resource room science courses. Co-taught in general education science classes with ten or more students with special needs.
- High School General Education Biology, Chemistry, Physical Science Teacher
- Volleyball and Track and Field Coach

Hendon School London, England 2007

Odyssey Alternative Middle/High School Shepherd, MI 2007

Chicago Public Schools (CPS) Teaching Residency Program Summer 2007

- Prosser Career Academy Chicago, Illinois

OTHER TEACHING, LEADERSHIP, & PROFESSIONAL EXPERIENCE

Coordinator of the Instructional Technology Master's Programs, University of Central Arkansas, January 2022-present

Oversee three Master's level programs including: Online Teaching and Learning, Computer Science Education, and Multimedia Design. Advise students, assess program objectives and goals, and recruit students into the programs.

Global Learning Fellow, University of Central Arkansas, May 2022-present

Global Learning Fellow through the Global Learning Initiative with the Center for Global Learning and Engagement. Attended a two-day training on the COIL method and internationalizing the curriculum. Planning a COIL experience with an international partner faculty.

Director of the Pat Walker Teacher Education Program, University of the Ozarks, October 2019-2021

Lead a team of Teacher Education faculty, plan, revise, and implement program curriculum in compliance with the Arkansas Department of Education (Division of Elementary and Secondary Education) guidelines, assess program quality for university, state, and CAEP standards, license teachers, organize, plan, and distribute budget for program, develop new program components in line with university initiatives, collaborate with Vice President of Admissions to recruit and retain education students.

Secondary Education Program Coordinator, University of the Ozarks, 2015-2021

Lead a team of faculty in a number of disciplines. Advise students seeking secondary licensure in the state of Arkansas. Ensure program compliance with the Arkansas Teacher Education competencies by aligning major degree programs with learning outcomes. Assist in program assessment across disciplines. Create and compose program applications for revisions at the state level.

Professional Development for The Bahamas Agriculture & Marine Science Institute (BAMSI) and Aquinas College (Bahamian secondary school) faculty, University of the Ozarks, 2019, 2020

Developed and organized professional development sessions for faculty at BAMSI. The sessions were focused on making thinking visible and science methods pedagogy. For Aquinas College, I observed science and math teaching, evaluated teaching performance, and communicated the evaluation with the teachers in a debrief session. Worked with administrators at both institutions to action plan for future collaborations.

Faculty Led Study Abroad Coordinator, University of the Ozarks, 2018-2021

Develop forms and processes for faculty led study abroad programs. Collaborate with administrators and advise faculty on study abroad development.

International Program Assistant, Michigan State University, Netherlands, Germany, France, & Belgium 2019-2020

Collaborate with faculty at Michigan State University to develop curriculum, grade student work, assist with logistics, and travel with the group.

International Program Developer and Leader, University of the Ozarks, Netherlands & Germany, 2016-2017

Develop and organize a three-week faculty led study abroad experience and course for education students on campus. Communicated with our Dutch liaison to plan activities and lectures. Recruit students to consider studying abroad. Traveled with students to Europe and taught class.

Guest Lecturer Novice Teacher Year 1 and Year 2, University of the Ozarks & Guy Fenter Education Co-Op, 2018-2019

Collaborated with the Director of Early Career Professional Educators to develop a workshop on the use of technology in the classroom for in service teachers. Developed an interactive workshop using a number of applications and websites. Developed a second discussion with first and second year teachers to discuss options for summer opportunities and classroom management.

Faculty Representative Global Learning Community, University of the Ozarks, 2017-2018

Collaborate with Assistant Deans of Student Engagement and Resident Life to create a living and learning community interested in global issues and intercultural development. Working to create a set of experiences for students within the community.

TE 150 Course Assistant Coordinator, Michigan State University, 2014-2015

Collaborated with TE 150 course coordinator and course instructors to create common assessments, reading lists, and lesson objectives. Evaluated teaching performance and provided guidance to fourteen course instructors.

Evidence Supported Annual Report (ESAR) Contributor

Evaluation of Secondary Science Courses, Michigan State University, 2014

Evaluated the secondary science special education lab course for the Department of Teacher Education for an evidence based annual review from the Michigan Department of Education. Organized and analyzed students' final projects to find what students could do well and what students struggle with in regard to special education topics such as implementation of accommodations, knowledge of learning disabilities, assessment, and reflective practice.

International Program Leader, Michigan State University, The Netherlands, France and Germany, 2013-2014, 2014-2015

After participating as the study abroad assistant for three summers, was chosen to be the program leader for Learning, Culture and Technology in Europe study abroad program. In preparation for the program, I communicated with our Dutch liaison to plan activities and lectures. Developed and presented lectures to Dutch and American pre-service teachers. Advised and mentored undergraduate program assistant who was also program alumni. Advised and mentored graduate program assistant.

International Program Assistant, Michigan State University, The Netherlands, France and Germany, 2010-2011, 2011-2012, 2012-2013

Collaborated and shared planning and organizing responsibilities with study abroad leader. Successfully lead groups of pre service teachers around Netherlands, France, and Germany. Analyzed and presented qualitative data to Forum on Education Abroad and American Education Research Association conferences.

Woodrow Wilson Fellowship Workshop Instructor, Michigan State University

Differentiated Instruction Workshop, February 2013

Created differentiated instruction activities for in service urban and rural teachers. Enacted an interactive 8-hour workshop on ways to differentiate instruction in science and math classrooms with an emphasis on working with students with learning disabilities.

Wilderness Ventures, Jackson Hole, WY

Outdoor Adventure Educator & Program Leader- 2009, 2010, 2011

Led groups of teens on experiential adventures in the outdoors (Trips Led: Hawaii-Kauai, Southwest Service, Tahiti, Fiji, New Zealand). Taught outdoor skills and environmental awareness (i.e. setting up a campsite, cooking in the outdoors, low impact camping). In collaboration with the company owner and manager, created surveys to determine student learning and progress to help improve the program curriculum and leader training. Presented survey findings and next steps with owner and general manager.

RESEARCH

University of Central Arkansas, Conway, AR

Longview Foundation and Indiana University Globalizing Rural Science Education Action Research

Fellowship with other science education faculty around the U.S. focused on globalizing science education in rural areas by conducting action research in science teaching methods courses. Included professional development in global competency development, assessment methods, and action research. Conducted action research and wrote a edited book chapter about the experience.

University of the Ozarks, Clarksville, AR

Study Abroad Programs, Transformational Learning Theory, Critical Pedagogy of Place, and Culturally Relevant Pedagogy

Collaborate with colleagues at the University of North Carolina-Greensboro and Georgia Southern University to explore the long term impacts of short-term study abroad programs for pre-service teachers. Examine the connection between the international experience and their development of cultural competence and culturally relevant pedagogy.

University of the Ozarks, Clarksville, AR

Flipped Classroom and Self Determination

Collaborate with psychology and biology faculty members to analyze survey results about the effects of the flipped classroom on student engagement, self determination.

University of the Ozarks, Clarksville, AR, 2017-2018

Reflections on Global Learning Experiences and Intercultural Development

Video reflection data collected from over 100 Introduction to Educational Psychology undergraduate students after interacting with, serving as a cultural host (planning a cultural activity) and discussing cultural differences with students who are perceived as culturally different.

Michigan State University, East Lansing, MI

Research Assistant, Environmental Literacy 2012-2015

PI: Dr. Charles “Andy” Anderson

The goal of our project Carbon Transformations in Matter and Energy or *Carbon TIME* is to develop learning progressions and science literacy curriculum leading toward environmental science literacy—the capacity to understand and participate in evidence-based discussions of socio-ecological systems and to make informed decisions about appropriate actions and policies—for students from upper elementary school through college. The National Science Foundation (NSF) funded this project.

Website: <http://edr1.educ.msu.edu/EnvironmentalLit/index.htm>.

- Presented at national conferences
- Coded student written and interview responses using a learning progressions coding framework
- Collaborated with research team to develop coding frameworks
- Developed Environmental Literacy curriculum with team of individuals
- Wrote and researched for Environmental Literacy learning progression
- Wrote, edited, and revised curriculum materials
- Created special education accommodations for curriculum

Michigan State University, East Lansing, MI

Research Assistant, Study Abroad 2011-2015

PI: Dr. E. David Wong

This study began with co-leading a study abroad experience for pre service teachers in the Netherlands, France, and Germany. The data used was students’ reflective video-logs recorded after completing an hour alone. Presented at national conferences in education and study abroad.

- Coded student video-logs
- Analyzed and coded student videos for reference on global competency
- Analyzed qualitative data for patterns
- Created quantitative data diagrams

Michigan State University, East Lansing, MI

Research Assistant, Sustainability Education 2013

PI: Dr. Matt Ferkany

This project studied the promise of a sustainability ethics games curriculum for post-secondary sustainability and civic education. We collected demographic, survey and observational data from nine sections of an undergraduate humanities course for STEM students. Survey measures included the HEXACO-PI-R and a measure of student engagement and moral agency administered to different groupings of students in the test group before

implementation of the games curriculum and again after implementation. Observational data included audio/video of relevant lecture sections and discussion sections.

- Created and pilot surveys via online software (Qualtrics)
- Administered personality test (HEXACO-100)
- Audio and video recorded lectures and group activities

Michigan State University, East Lansing, MI

Research Assistant, Experiential and Sustainability Education 2012

PI: Dr. Geoffrey Habron

This project addressed competency-based sustainability, aligned with liberal learning objectives such as critical thinking, across a series of experiential venues including: an on-campus for-credit course with an experiential component; an on-campus non-credit experiential program; an on-campus non-credit staff professional development program; a domestic off-campus study away for-credit course; and an international study away for-credit course. This project was funded by Fund for the Improvement of Post Secondary Education (FIPSE).

- Coded student responses to course assignments using critical thinking rubric
- Collaborated with other researchers on coding issues and progress

Michigan State University, East Lansing, MI

Research Assistant, Science Education 2010-2011

PI: Dr. Alicia Alonzo

The purpose of the study was to explore how students draw upon students' everyday experiences to learn about plants in school.

- Coded student responses to questions on plants
- Developed interview questions
- Interviewed middle school students
- Researched learning progressions and student misconceptions about plants and photosynthesis

SERVICE ACTIVITIES

University of Central Arkansas

Member of the College of Education Technology Committee August 2022-present

Member Teaching and Learning Search Committee March 2022

University of the Ozarks:

Member Student Engagement Fund Selection Committee 2019-2021

Member Strategic Assessment Committee 2019-2020

Member HLC Academic Assessment Team 2018-2020

Member of Academic Affairs Committee 2017-2019

Apple Pilot Initiative 2017

Member of Assessment Committee 2016-2017

Member Ad Hoc Committee (One Campus One Calling-Lilly Grant) 2016

Ozarks Student Education Association Faculty Advisor 2016-2021

Planet Club Faculty Co-Advisor 2016-2021

Member Executive Education Committee 2015-2021

Science Day Speaker 2015, 2016

Contributor and Expert Science Speaker for Elementary STEM Olympiad 2015, 2016, 2018, 2019

Hurie Scholarship Judge 2016

ARCH Symposium Poster Presentation Judge 2017

Distance Learning Grant Team 2017

Community:

University of Arkansas Center for Children and Youth Artful Teaching Planning Committee June 2022-present

JBQ Charitable Foundation (Lima, Peru) Education Executive Board 2020-present

Basketball Coach for the Boys and Girls Club of Russellville, Arkansas 2022

Johnson County Westside 21st Century Community Schools Board 2018-2021

Vice President of Grins and Giggles Daycare Executive Board 2016-2017

Family Science Night Organizer and Collaborator (Lamar, Clarksville, Johnson County Westside) 2016, 2017, 2018, 2019

Professional Organizations:

Past President Arkansas Association of Teacher Educators (ArATE) 2022-2023
President Arkansas Association of Teacher Educators (ArATE) 2021-2022
President-Elect Arkansas Association of Teacher Educators (ArATE) 2020-2021
Association of Teacher Educators (ATE) Council of University Presidents (CUP) 2021-2022
Executive Committee for Arkansas Association of Teacher Educators (ArATE) 2018-present
ArACTE Dean's Council 2019-2021
Reviewer *Environmental Education Research Journal* 2018-present
Reviewer NAAEE Research Symposium Proposals 2017, 2018
Reviewer *Teaching and Teacher Education Journal* 2020-present
Reviewer Routledge *Creating Global Bonds Grade 12 Book and Curriculum Materials* 2022
Reviewer MSERA conference proposals 2022

Michigan State University:

American Education Research Association Campus Liaison 2010-2015
Educational Psychology and Educational Technology Student Research Group Leader and Organizer 2013-2014
Practicum Committee (Curriculum, Instruction, and Teacher Education Department) 2014
Practicum Committee (Counseling, Educational Psychology and Special Education Department) 2013
Reviewer for *Journal of Experiential Education* 2013, 2014
Reviewer AERA conference proposals 2012
Reviewer Association for Experiential Education 2013, 2014
Graduate Employee Union Steward for College of Education 2010-2012

GRANTS, FELLOWSHIPS, and ENDOWMENT AWARDS

Freed, A. (submitted October 2021) Forward Arkansas Grant for Innovative Teacher Education Programs. Amount requested: \$100,000. Role: Principle Investigator. (Not funded)

Cubas, F., Huffling, L.D., Rahman, M., Rowles, S., Scott, H., & Aslan, A. (submitted November 2021). RET: Collaborating and Learning to Expand Assessment of Natural Water Areas Through Engineering Research – CLEAN WATER. Amount requested: \$598,783. Organization: National Science Foundation. Role: Grant Evaluator (Not funded)

Globalizing Rural Science Teacher Education Fellowship 2021-2022

Opportunity presented by the Longview Foundation through the University of Indiana Bloomington. A year-long professional development and action research project around the topic of globalizing rural science education through teacher education. One of twenty university faculty selected from around the U.S.A.

Joe Hoing Student Involvement Grant 2021-2022

University grant used to fund an initial pilot study away program for pre-service teachers and university alumni (in-service teachers). Students will visit and explore southwestern Arkansas. This will include partnering with alumni to visit schools, examine historical, cultural, and political aspects of the area. Amount Requested: \$2,545 Role: Co-PI (funded)

McElree Faculty Development Endowment Grant Recipient 2017, 2018, 2019, 2020

Fellowship to Enhance Global Understanding Botswana 2012-2013

- Presented at the University of Botswana Symposium on Educational Issues
- Visited a variety of villages and schools
- Learned about the culture and traditions of Botswana

- Shared my stories with other interested MSU graduate students
- Collaborated with colleagues to create presentations

Graduate Student Travel Fellowship-Department of Counseling, Educational Psychology and Special Education 2011, 2012, 2013, 2014

National Science Teaching Association (NSTA) New Science Teacher Academy Participant 2008-2009

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- American Education Research Association, division C and K (SIG: International Education and Environmental Education) (AERA) *current*
- International Society for Technology in Education (ISTE) *current*
- North American Association for Environmental Education (NAAEE)
- Arkansas Association of Teacher Educators (ArATE) *current*
- Association for Teacher Educators (ATE) *current*
- Arkansas Society for Technology Education (ARKSTE) *current*
- Mid-South Educational Research Association (MSERA) *current*
- National Science Teaching Association (NSTA)
- American Association of Colleges for Teacher Education (AACTE)
- Arkansas Association of Colleges for Teacher Education (ArACTE)

PROFESSIONAL DEVELOPMENT

UCA College of Education Professional Development Webinar presenter June 2022

Book Club participant UCA January 2022-May 2022

ArATE Diversity and Inclusion Webinar Series 2021-2022

University of Central Arkansas Centering Equity Conference 2021, 2022

CAEP Con 2020, 2021

Secondary Education Disciplinary Reading and Writing Training 2021

Trauma-Informed Classroom Routines Workshop 2021

Professional Learning Communities (PLC) Solution Tree Training 2020

Apple Swift Coding Workshop 2019

ISTE Cultural Competence in Digital Learning 2020

COIL (Collaborative Online International Learning) Workshop 2018

Various Apple Trainings & Certifications 2017-present

Online Teacher Training 2020

Danielson Teacher Evaluation Framework Training 2016

Apple Teacher Training 2017

Grasping Phenomenal Science Training for Elementary Teachers 2017

Grasping Phenomenal Science Training for Secondary Teachers 2017

Picture Perfect Science for Elementary Teachers 2017

ARTful Teaching Conference 2017, 2018, 2019, 2021

Novus Training for Deans, FYE Instructors, and Admissions 2016

National Science Teachers Association (NSTA) New Science Teachers Academy 2008-2009

Teacher Certifications

Michigan Standard Teacher Certification (Biology, Integrated Science, Recreation) Expires: 2025

Arkansas Standard Teacher Certification (Life Science, Earth Science, Physical Earth Science) Expires: 2023

Special Certifications

SCUBA Open Water Advanced Diver

Project WILD, WET, PLT, LEP