

## LINDSAY K. LIGHTNER

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### EDUCATION

- 2022 Washington State University, Richland and Pullman, WA  
Ph.D., Mathematics and Science Education  
Dissertation: *Science Teaching Self-Efficacy and Funds of Knowledge in Paraprofessional Preservice Elementary Teachers*  
Committee: Andy Cavagnetto (chair), Brian French, Judith Morrison, Amy Roth McDuffie
- 2001 Johns Hopkins University, Baltimore, MD  
M.A., The Writing Seminars  
Thesis: *The Clearness of Coursing Sky*
- 1998 Carleton College, Northfield, MN  
B.A., Geology *magna cum laude*, departmental distinction in major  
Minor: Environment and Technology Studies  
Thesis: *Paleosols of the Mascall Formation, Oregon: Implications for Miocene Paleoclimate Change*

### PROFESSIONAL APPOINTMENTS

- 2022-present Assistant Professor (Scholarly Career Track), College of Education  
Washington State University Tri-Cities, Richland, WA
- Full-time academic appointment consisting of 40% teaching, 5% scholarship, 5% service, and 50% program coordination, including grant programs:
- *Socio-Environmental Science Investigations-Exploring Alternative New Directions (SESI-ExpAND)*, National Science Foundation (PI: Judith Morrison)
  - *Alternative Route to Teacher Certification*, State of Washington Professional Educator Standards Board (PI: Judith Morrison)
  - *Teaching Bridge Career Connect* Washington pilot program, Washington State Employment Security Department (PI: Judith Morrison)
- 2016–2022 Project Coordinator, College of Education  
Washington State University Tri-Cities, Richland, WA

Full-time administrative professional position, including coordination of grant programs:

- *Socio-Environmental Science Investigations-Exploring Alternative New Directions (SESI-ExpAND)*, National Science Foundation (PI: Judith Morrison)
- *Equity for Language Learners – Improving Practices and Acquisition of Culturally-Responsive Teaching (ELL-IMPACT)*, U.S. Dept. of Education (PI: Gisela Ernst-Slavit; Co-PIs: Yuliya Ardasheva, Kira Carbonneau, Judith Morrison, Sarah Newcomer)
- *Alternative Route to Teacher Certification*, State of Washington Professional Educator Standards Board (PI: Judith Morrison)

2014–2016	Washington State University Tri-Cities, Richland, WA Assistant Director, High School Programs
2006–2014	Washington State University Tri-Cities, Richland, WA Academic Advisor, Colleges of Education (2006-2014), Arts and Sciences (2009-2014), and Agricultural, Human, and Natural Resource Sciences (2009-2014)
2004–2005	Canterbury Christ Church University, Canterbury, UK Senior Lecturer, Faculty of Education Full-time academic appointment comprised of professional and subject course teaching, field supervision, and program coordination
2001–2004	Pennsylvania State University, University Park, PA Lecturer, Department of English Full-time academic appointment comprised of 4/3 teaching load, with course reductions for course coordination, Writing Center direction, and academic advising
1998–2000	Inwood Intermediate School 52, New York City Board of Education Teacher, Science and Mathematics Additional service as science assessment developer, newspaper advisor New York State teacher certification: Earth Science and General Science (grades 7-12) with Grades 5-6 extension

## PUBLICATIONS

### Refereed Manuscripts

Carbonneau, K. J., Ardasheva, Y., **Lightner, L.**, Newcomer, S. N., Ernst-Slavit, G., Morrison, J. A., & Morrison, S. J. (2022). Moving beyond the classroom: Pre-and in-service teachers' self-efficacy for working with culturally and linguistically diverse students. *Teaching Education*, 1-18. <http://dx.doi.org/10.1080/10476210.2022.2104832>.

Ernst-Slavit, G., Newcomer, S.N., Morrison, S.J., **Lightner, L.K.**, Morrison, J.A., Ardasheva, Y., Carbonneau, K.J. (2021). Latina paraeducators' stories of resistance, resilience, and adaptation in an Alternative Route to Teaching program. *Journal of Career Development*, 1-18. <https://doi.org/10.1177/08948453211005000>

Morrison, J., Ardasheva, Y., Newcomer, S., **Lightner, L.**, Ernst-Slavit, G., & Carbonneau, K. (2020). Supporting science learning for English language learners. *The Journal of Educational Research and Practice*, 10(1), 254-274. <https://doi.org/10.5590/JERAP.2020.10.1.17>

Newcomer, S. N., Ardasheva, Y., Morrison, J. A., Ernst-Slavit, G., Morrison, S.J., Carbonneau, K. J., & **Lightner, L. K.** (2020). “Whoa... Welcome to America!”: Supporting refugee background students' socioemotional well-being, English language development, and content area learning. *Journal of Research in Childhood Education*, 1-21. <https://doi.org/10.1080/02568543.2020.1734697>

Ardasheva, Y., Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Morrison, J. A., Carbonneau, K. J., & **Lightner, L. K.** (2019). Decision-making practices of experienced upper-elementary teachers during small group instruction to support English learners. *The Elementary School Journal*, 120(1), 88-108. <https://doi.org/10.1086/704392>

Morrison, J., & **Lightner, L.** (2017). Putting paraeducators on the path to teacher certification. *Phi Delta Kappan*, 98(8), 43-47. <https://doi.org/10.1177/0031721717708294>

### Peer-Reviewed Book Chapters

Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Morrison, J. A., **Lightner, L. K.**, Ardasheva, Y., Carbonneau, K. (Accepted in May, 2022.) “Juntos logramos más!”: Apoyando a los maestros practicantes en la participación de la familia y la comunidad. In E. J. Johnson & L. Murillo (Eds.). *Critical Perspectives on Family Connections in Multilingual Education: Celebrating Successes and Confronting Challenges/Perspectivas Críticas de las Conexiones Familiares en la Educación Multilingüe: Celebrando los Éxitos y Enfrentando los Desafíos*. Information Age Publishing.

### Manuscripts in Submission

Newcomer, S. N., Morrison, S. J., Ernst-Slavit, G., Morrison, J. A., **Lightner, L. K.**, Ardasheva, Y., & Carbonneau, K. J. (Under review). “An important piece of the puzzle”: Preparing future teachers for family and community engagement. *Teacher Education Quarterly*. Submitted on July 9, 2022.

Firestone, J. B., **Lightner, L. K.**, Ardasheva, Y., & Crider, H. F. (Under review). Scaffolding science-specific and general academic vocabulary for adolescent ELs in integrated general education science classrooms. *Electronic Journal of Research in Science and Mathematics Education*. Submitted on February 21, 2021.

## Reports

Cooper, C. M., **Lightner, L. K.**, & Wells, L. (2018). *President's Commission on the Status of Women 2018 Annual Report*. Washington State University Office of the President.

Neuilly, M.-A., Cooper, C. M., & **Lightner, L. K.** (2017). *President's Commission on the Status of Women 2017 Annual Report*. Washington State University Office of the President.

**Lightner, L. K.**, Bartlett, D., Campbell, H., Griffin, J., Neuilly, M.-A., Nicol, E. A., & Potwora, J. (2015). *President's Commission on the Status of Women 2015 Annual Report*. Washington State University Office of the President.

## FUNDED PROJECTS AND AWARDS

### Funded Grant Applications

- 2022 Washington State Employment Security Department: *Career Connect Washington Program Builder Grant* to develop Teaching Bridge, a Career Launch paid work-based internship for college underclassmen preparing to enter the WSU Tri-Cities College of Education. Role: Program co-developer and principal grant writer (PI: Judith Morrison). \$111,081 over 1 year.
- 2021 State of Washington Professional Educator Standards Board: *Alternative Route to Teaching Block Grant*. Role: Program Coordinator and Data Coordinator (PI: Judith Morrison). \$294,000 over 2 years.
- 2020 Graduate Student Support Grant recipient, Dept. of Teaching & Learning, Washington State University. \$500.
- 2019 State of Washington Professional Educator Standards Board: *Alternative Route to Teaching Block Grant*. Role: Program Coordinator and Data Coordinator (PI: Judith Morrison). \$386,000 over 2 years.
- 2019 WSU Administrative Professional Advisory Council: Professional Development Mini Grant recipient. \$250.
- 2017 State of Washington Professional Educator Standards Board: *Alternative Route to Teaching Block Grant*. Role: Program Coordinator and Data Coordinator (PI: Judith Morrison). \$308,000 over 2 years.
- 2017 Travel award recipient, Office of Academic Affairs and Office of Research, Graduate Studies, and External Programs, Washington State University Tri-Cities. \$1,303.

2016 Graduate Student Travel Support Grant recipient, Dept. of Teaching & Learning, Washington State University. \$500.

### Unfunded Grant Applications

- 2022 U.S. Department of Education Office of English Language Acquisition: *Supporting Dual Language Learners' Biliteracy in School and at Home*. Role: Collaborator. \$2,327,936.
- 2020 Natural Resource Conservation Endowment Fund, WSU Office of Research: *Heritage Gardens for Family, School, and Community Appreciation of Washington Natural and Cultural Resources*. Role: PI. \$1,200. (Program funding suspended for 2020-21.)
- 2019 PERSIST Project (Persistence, Effectiveness, and Retention Studies in STEM Teaching): ASTE Conference Travel Support Grant. \$1,400.
- 2019 The Honor Society of Phi Kappa Phi: Graduate Travel Grant. \$1,500.
- 2015 J. L. Stubblefield Trust: *Starting Blocks* student book and stipend program. Role: Program Administrator. \$13,860.

### REFEREED PRESENTATIONS

**Lightner, L. K.** (2023, April 19). *The effects of work and academic experiences on paraeducator preservice teachers' science teaching self-efficacy*. Paper to be presented at the NARST 2023 annual conference, Chicago, IL.

Van Orman, D. S. J., Carbonneau, K. J., Ardasheva, Y., **Lightner, L. K.**, Ernst-Slavit, G., Morrison, J. A., & Morrison, S. (2023, April 16). *Examining the culturally responsive pedagogical orientations of preservice teachers in an alternative route to certification*. Poster to be presented at the annual meeting of the American Educational Research Association, Chicago, IL.

Carbonneau, K. J., Ardasheva, Y., **Lightner, L. K.**, Newcomer, S. N., Ernst-Slavit, G., Morrison, J. A., & Morrison, S. J. (2023, March 23). *Mechanisms supporting teachers enacting culturally and linguistically relevant pedagogy*. Paper to be presented at the annual meeting of the TESOL International Association, Portland, OR.

**Lightner, L. K.**, Morrison, J. A., Malone, D. J., Firestone, J. B., & Newcomer, S. N. (2023, January 13). *High school teachers' implementations of science-based geospatial reasoning projects: Practices, challenges, and possibilities*. Roundtable paper presented at the Association for Science Teacher Education 2023 annual conference. Salt Lake City, UT.

- Malone, D., Morrison, J., Firestone, J., **Lightner, L.**, Newcomer, S., & Feltes, S. (2023, January 12). *Teaching with GIS: Building Teachers' Geospatial Skills and Knowledge for Integrated Instruction*. Paper presented at the Association for Science Teacher Education 2023 annual conference. Salt Lake City, UT.
- Newcomer, S., Ernst-Slavit, G., Morrison, S., **Lightner, L. K.**, Ardasheva, Y., Morrison, J. A., & Carbonneau, K. J. (2022, April 22-25). *Starting small: Learning to engage parents and families in meaningful, culturally sustaining ways*. Roundtable paper presented at the annual meeting of the American Educational Research Association, San Diego, CA.
- Ernst-Slavit, G., Newcomer, S. N., Morrison, S. J., Ardasheva, Y., Morrison, J. A., Carbonneau, K. J., & **Lightner, L. K.** (2022, March 22-25). *Preparing future teachers for parent and family engagement*. Paper presented at the annual meeting of the TESOL International Association, Pittsburgh, PA.
- Morrison, J., **Lightner, L.**, Malone, D., Firestone, J., & Newcomer, S. (2022, January 6-8). *Designing virtual professional development to motivate teachers' implementation of ArcGIS*. Paper presented at the Association for Science Teacher Education International Conference, Greenville, SC.
- Malone, D., Morrison, J., Firestone, J. B., Newcomer, S. N., **Lightner, L.**, & Feltes, S. (2022, January 6-8). *Teaching with technology: Building confidence*. Paper presented at the Association for Science Teacher Education International Conference, Greenville, SC.
- Lightner, L. K.** (2021, Aug. 30-Sept. 3). Exploring funds of identity in early career elementary science teachers. In McLeod, E., & Holmegaard, H. T. (Chairs), *Upcoming research in science teacher identities* [Symposium]. European Science Education Research Association Conference 2021, Braga, Portugal/virtual.
- Lightner, L. K.**, Ardasheva, Y., Morrison, J. A., Carbonneau, K. J., Ernst-Slavit, G., Newcomer, S., & Morrison, S. (2021, April). *Investigating prior learning assessments in an alternative route teacher certification program*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.
- Carbonneau, K. J., Ardasheva, Y., **Lightner, L. K.**, Newcomer, S., Ernst-Slavit, G., Morrison, J. A., & Morrison, S. (2021, April). *Moving beyond the classroom: Pre- and in-service teachers' self-efficacy for working with culturally and linguistically diverse students*. Paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.
- Ernst-Slavit, G., Newcomer, S., Morrison, S. J., **Lightner, L. K.**, Morrison, J. A., Ardasheva, Y., & Carbonneau, K. J. (2021, April). *Paraeducators' stories of resistance, resilience, and adaptation in a Grow Your Own program*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.

- Ernst-Slavit, G., Hellman, A., Newcomer, S., Morrison, S. J., Morrison, J. A., **Lightner, L. K.**, Carbonneau, K. J., Uribe-Zarain, X., & Ardasheva, Y. (2021, April). *Effective bilingual and ELL teacher preparation: Lessons learned from two federally funded programs*. Roundtable paper presented at the annual meeting of the American Educational Research Association, Orlando, FL/virtual.
- Morrison, J., **Lightner, L.**, Malone, D., Firestone, J., & Newcomer, S. (2021, March 20). *Planning and connecting with partner teachers in virtual environments: A research and practices partnership in times of COVID-19*. Paper presented at the annual meeting of the International Consortium for Research in Science & Mathematics Education.
- Lightner, L. K.**, Malone, D. J., Morrison, J. A., Firestone, J. B., & Newcomer, S. N. (2020, December). *Socio-environmental science investigations: Developing geospatial thinking and research-practice partnerships in the age of COVID-19*. Presentation given at the Northwest ASTE 2020 unConference.
- Ernst-Slavit, G., Newcomer, S.N., Carbonneau, K.J., Morrison, J.A., Ardasheva, Y., Morrison, S.J., & **Lightner, L.K.** (2020, October). *Challenges and solutions in expanding pathways for the paraeducator workforce*. Poster presented at the U.S. Department of Education's Office of English Language Acquisition (OELA) Directors Meeting.
- Lightner, L. K.**, & Morrison, J. A. (2020, April). *From paraprofessional to teacher: Navigating complex systems in a Grow Your Own alternative route program at a research intensive public university*. Roundtable paper accepted for presentation at the annual meeting of the National Association for Alternative Certification, Seattle, WA (conference cancelled).
- Carbonneau, K. J., Ardasheva, Y., **Lightner, L. K.**, Newcomer, S., Ernst-Slavit, G., Morrison, J. A., & Morrison, S. (2020, April). *Moving beyond the classroom: Pre- and in-service teachers' self-efficacy for working with culturally and linguistically diverse students*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference cancelled).
- Calderone, S. M., Ardasheva, Y., Newcomer, S., Ernst-Slavit, G., Morrison, J. A., Carbonneau, K. J., **Lightner, L. K.**, & Morrison, S. (2020, April). *"Are we having rich deep conversations, or are we just checking boxes?" Teacher sense-making and curricular reasoning to support English learners*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference cancelled).
- Ernst-Slavit, G., Hellman, A., Newcomer, S., Morrison, J. A., Morrison, S. J., **Lightner, L. K.**, Carbonneau, K.J., Uribe-Zarain, X., & Ardasheva, Y. (2020, April). *Preparing bilingual and English Learner teachers in two innovative federally funded programs: Lessons learned*. Paper accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA (conference cancelled).

- Calderone, S. M., Ardasheva, Y., Newcomer, S., Ernst-Slavit, G., Morrison, J. A., Carbonneau, K. J., **Lightner, L. K.**, & Morrison, S. (2020, March). *Teachers of multilingual readers on the intersection of two reading policy mandates*. Paper accepted for presentation at the American Association for Applied Linguistics (AAAL) Conference, Denver, CO (conference cancelled).
- Morrison, J., Ardasheva, Y., Newcomer, S., **Lightner, L.**, Ernst-Slavit, G., Carbonneau, K., & Morrison, S. (2020, January). *Supporting science learning for English language students (ELs)*. Paper presented at the Association for Science Teacher Education International Conference, San Antonio, TX.
- Ernst-Slavit, G., Carbonneau, K., Ardasheva, Y., Morrison, J., Newcomer, S., **Lightner, L.** & Morrison, S. (2019, November). *From paraprofessionals to bilingual and ELL teachers: Lessons learned from the ELL-IMPACT program in Washington State*. Poster presented at the U.S. Department of Education's Office of English Language Acquisition (OELA) Directors Meeting, Arlington, VA.
- Lightner, L. K.** & Morrison, J. A. (2019, August). *Science teaching self-efficacy in newly qualified primary teachers with extant school-based work experiences*. Poster presented at the European Science Education Research Association Conference, Bologna, Italy.
- Lightner, L. K.**, & Morrison, J. A. (2019, April). *The transition from paraprofessional to teacher: The paraprofessional's voice*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, ON.
- Newcomer, S., Morrison, S., Ernst-Slavit, G., Morrison, J. A., **Lightner, L. K.**, Ardasheva, Y., & Carbonneau, K. J. (2019, April). *"This was the first time anybody had ever invited me": The power of school/family engagement*. Paper presented at the annual meeting of the American Educational Research Association, Toronto, ON.
- Ernst-Slavit, G., Morrison, J., **Lightner, L.**, Morrison, S., Newcomer, S., Ardasheva, Y., & Carbonneau, K. (2019, February). *Alternative routes to teacher certification for paraprofessionals: One program's example*. Paper presented at the Globalization, Diversity, and Education Conference, Airway Heights, WA.
- Lightner, L. K.**, & Morrison, J. A. (2019, January). *The relationship of teaching beliefs to paraprofessional preservice teachers' self-efficacy for teaching elementary science*. Paper presented at the Association for Science Teacher Education International Conference, Savannah, GA.
- Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Ardasheva, Y., Morrison, J. A., **Lightner, L. K.**, & Carbonneau, K. J. (2018, November). *Exploring our educational imagination: Stories of journeying toward teaching*. Paper presented at the annual meeting of the American Anthropological Association, San Jose, CA.
- Ardasheva, Y., Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Morrison, J. A., Carbonneau,

- K. J. & **Lightner, L. K.** (2018, November). *Experienced teachers' small group instruction decision-making practices*. Paper presented at the annual meeting of the American Anthropological Association, San Jose, CA.
- Ardasheva, Y., Newcomer, S. N., Ernst-Slavit, G., Morrison, S. J., Carbonneau, K. J., Morrison, J. A., & **Lightner, L. K.** (2018, April). *Upper-elementary teachers' use of small group strategies across content areas to support English learners*. Roundtable paper presented at the annual meeting of the American Educational Research Association, New York, NY.
- Lightner, L. K.** & Morrison, J. A. (2018, March). *Striking balances: Influences on paraprofessional preservice elementary teachers' science teaching self-efficacy*. Poster presented at the National Association for Research in Science Teaching International Conference, Atlanta, GA.
- Lightner, L. K.**, & Morrison, J. A. (2018, January). *Exploring the influence of situated work experiences on paraprofessional preservice teachers' science teaching self-efficacy*. Paper presented at the Association for Science Teacher Education International Conference, Baltimore, MD.
- Lightner, L. K.**, & Morrison, J. A. (2017, March). *Predictors of paraprofessional elementary preservice teachers' science teaching self-efficacy*. Poster presented at the Washington State University GPSA Research Exposition, Pullman, WA.
- Lightner, L. K.**, & Morrison, J. A. (2017, January). *What are the science teaching self-efficacy beliefs of paraprofessionals enrolled in an alternate route teacher certification program?* Paper presented at the Association for Science Teacher Education International Conference, Des Moines, IA.
- Lightner, L. K.** (2016, November). *Climbing the mountain from paraprofessional to teacher: Elementary preservice teachers' science teaching efficacy beliefs*. Poster presented at the National Science Teachers Association Area Conference on Science Education, Portland, OR.
- Lightner, L. K.**, Grant, L. E., & Witters, A. J. (2016, January). *A systematic review of discourse's outcomes for English language learners in K-12 mathematics and science classrooms*. Poster presented at the Association for Science Teacher Education International Conference, Reno, NV.
- Lightner, L. K.**, Grant, L. E., & Witters, A. J. (2015, August). *A review of discourse's outcomes for English language learners in mathematics and science classrooms*. Poster presented at the 2<sup>nd</sup> International Argument Based Inquiry Conference, Spokane, WA.
- Grant, L., **Lightner, L. K.**, Witters, A., Magaña, M. V, & Wood, S. (2015, March.) *A systematic review of discourse: Its influence on English language learners in the elementary*

*mathematics and science classroom.* Poster presented at the Washington State University Academic Showcase, Pullman, WA.

**Lightner, L. K.** (2010, January). *Exploring and writing your philosophy of advising.* Paper presented at the Northwest Region 8 National Academic Advising Association Conference, Seattle, WA.

### STATE-LEVEL INVITED TALKS

2021 Member, invited panel of Alternative Route Block Grant recipients, Washington Professional Educator Standards Board's Diversifying the Educator Workforce conference *Levers for Change: Collective Impact for Equity*, June 4.

### CAMPUS AND DEPARTMENTAL TALKS

2021 **Lightner, L. K.** *Science teaching self-efficacy and funds of science teaching identity in early career elementary teachers.* Presenter for Washington State University Mathematics and Science Education Doctoral Seminar, December 1.

2019 **Lightner, L. K.** *Preservice teachers' enactments of science teaching while situated in field experiences.* Presenter for Washington State University Mathematics and Science Education Doctoral Seminar, January 17.

2018 **Lightner, L. K.** *Applying for research and funding opportunities.* Invited presenter for Mathematics and Science Education PhD Program All-Campus Meeting, September 15.

2017 Neuilly, M.-A., Cooper, C. M., & **Lightner, L. K.** *The WSU President's Commission on the Status of Women: Who we are, what we do, and how we lean in while being leaned on.* Invited presenter for the University of Idaho Women's Leadership Conference, March 30.

2016 **Lightner, L. K.** *Predictors of paraprofessional elementary preservice teachers' science teaching self-efficacy.* Presenter for Washington State University Mathematics and Science Education Doctoral Seminar, December 7.

2015 **Lightner, L. K.** *Stereotype threat, identity, and your education.* Invited presenter for Washington State University Tri-Cities Social Justice Institute, March 14.

2009 Member, invited panel of academic advising award recipients, University of Idaho Advising Symposium, September 11.

### AWARDS AND HONORS

- 2023 Finalist, John C. Park National Technology Leadership Initiative Fellowship Award, Association for Science Teacher Education
- 2021 Woman of Distinction, Washington State University Tri-Cities
- 2020 Karen P. DePauw Leadership Award, Washington State University Graduate School (\$2,000)
- 2020 Laurence J. Peter Memorial Graduate Fellowship in Teacher Education, Washington State University (\$3,000)
- 2019 Staff Excellence Award, Washington State University College of Education
- 2018 NARST International Committee scholarship to attend European Science Education Research Association (ESERA) Summer Research School (\$2,500; one of two awarded internationally)
- 2017 First place, Social Sciences Section, Graduate and Professional Student Association (GPSA) Research Exposition Poster Presentation Award, Washington State University (\$1,000)
- 2017 Love of Learning Award, The Honor Society of Phi Kappa Phi (\$500)
- 2016 Laurence J. Peter Memorial Graduate Fellowship in Teacher Education, Washington State University (\$4,200)
- 2009 Outstanding New Advisor Certificate of Merit  
National Academic Advising Association
- 2009 Outstanding Academic Advising Award – New Advisor  
Northwest Region 8, National Academic Advising Association
- 2009 Outstanding Academic Advising Award – New Advisor  
Washington State University Academic Advising Association
- 2000 Johns Hopkins University Writing Seminars Scholarship (full funding and teaching fellowship)
- 1995 Huntington Poetry Prize, Carleton College

## **TEACHING EXPERIENCE**

### **Washington State University**

TCH\_LRN 371, Teaching Elementary Science: taught as instructor of record Fall 2022-Spring 2023

TCH\_LRN 490, Advanced Practicum for Elementary Teachers: taught as instructor of record  
 Fall 2022-Spring 2023; co-taught with instructor of record, Fall 2021, Spring 2022  
 MIT 571, Pre-Internship and Seminar: taught as instructor of record Fall 2022-Spring 2023; co-  
 taught with instructor of record, Fall 2021, Spring 2022  
 TCH\_LRN 415, Student Teaching Seminar: co-taught with instructor of record Spring 2021, Fall  
 2020, Spring 2020, Fall 2019, Spring 2019, Spring 2018  
 MIT 575, Internship and Seminar: co-taught with instructor of record Spring 2021, Fall 2020,  
 Spring 2020, Fall 2019  
 TCH\_LRN 499, Special Problems: Writing for the College of Education: taught as instructor of  
 record Fall 2014  
 GEN\_ED 104, Pathways to Academic Success Seminar: taught as instructor of record 2007-2009

*Guest lecturer in:*

TCH\_LRN 301, Learning and Development; Spring 2021  
 TCH\_LRN 339, Communicating in Diverse Classrooms; Spring 2018  
 TCH\_LRN 371, Teaching Elementary Science; Fall 2016  
 TCH\_LRN 330, Diversity in Education; Spring 2011

**Canterbury Christ Church University (Full-time instructor and field placement tutor)**

Professional Studies in Education; 2004-2005  
 Subject Studies in Education – English; 2004-2005  
 Subject Studies in Education – Science; Summer 2003

**Pennsylvania State University – University Park (Full-time instructor)**

ENGL 050, Introduction to Creative Writing; 2004  
 ENGL 030, Honors Freshman Composition; 2002-2004  
 ENGL 005, Writing Tutorial; 2002-2004  
 ENGL 004, Basic Writing Skills; 2002-2004  
 ENGL 015, Rhetoric and Composition; 2001-2003

**Johns Hopkins University (Graduate instructor)**

Introduction to Fiction and Poetry I; 2001

**NATIONAL AND INTERNATIONAL PROFESSIONAL SERVICE**

**Editorial Review Board Member**

2021-present *Innovations in Science Teacher Education*

**Ad Hoc Journal Reviewer**

2022-present *Journal of Teacher Education*  
 2021-present *Electronic Journal of Research in Science and Mathematics Education*  
 2017-present *Contemporary Issues in Technology and Teacher Education – Science  
 section*

**Conference Reviewer**

2015–18, 2020-22 ASTE International Conference

2017, 2019, 2022	NARST Annual International Conference
2021	ESERA International Conference
2019-2020	NARST Annual International Conference Graduate Student Research Symposium
2017, 2021	National Academic Advising Association (NACADA) International Conference

### **Leadership Positions**

2021–2024	Publications Advisory Committee, NARST (appointed position); Chair, 2023-2024; Co-Chair, 2022-2023
2020–2023	Member, Communications Committee, ASTE (appointed position)
2019–2021	Member, NARST Graduate Student Committee – Research Symposium Subcommittee
2018–present	Elections Officer, ASTE Northwest Region (elected position)

### **Volunteer Positions**

2021, 2023	Presider, ASTE International Conference
2019	Registration Volunteer, ASTE International Conference

## **UNIVERSITY SERVICE**

2009–2019	President’s Commission on the Status of Women (elected position; chair, 2014-15; past chair, 2015-16 and 2017-18)
2017	Search Committee, Chancellor of WSU Tri-Cities
2017–2018	WSU Women’s Leadership Conference Planning Committee
2016–2017	WSU Academic Advising Association Awards Committee
2015–2017	WSU Women of Distinction Awards Committee (chair)
2015–2017	WSU Women’s Recognition Luncheon Planning Committee
2012–2014	Advising Consultant Group, Office of the Provost
2012–2013	Mentor, WSU Academic Advising Association

## **CAMPUS, COLLEGE AND DEPARTMENTAL SERVICE**

2022-2023	Search Committee, Assistant Professor of Mathematics Education, WSU Tri-Cities
2022	Learner Success Lab Curricular and Co-Curricular Self-Study Subcommittee, WSU Tri-Cities Office of Academic and Student Affairs
2022	New Cougar Orientation speaker for new education majors (7/28/22)
2021-2022	WSU Math & Science Education PhD program Graduate Student Mentor
2018-2022	WSU Tri-Cities Education Summit – conference co-coordinator
2020	College of Education Staff Excellence Awards Committee
2014–2018	WSU Tri-Cities Diversity and Inclusion Council
2014	WSU Tri-Cities Academic Master Planning Committee
2008-2013	WSU Tri-Cities Student Conduct Board
2006–2014	WSU Tri-Cities College of Education BA in Education Admissions Committee

2009–present Staff search committees including Campus Grants Coordinator, Assistant Director of High School Programs (committee chair), Director of Student Affairs, Executive Assistant to the Chancellor, and academic advisors, recruiters, and other staff; participate in 1-3 searches/year

### COMMUNITY LEADERSHIP

2019–present Board of Trustees, Richland Public Library, Richland, WA (Chair, 2023-present; Vice Chair, 2022)

2021–2022 Council Delegate, Girl Scouts of Eastern Washington & Northern Idaho

### COMMUNITY EDUCATION AND SCIENCE COMMUNICATION

2018–present Leader, Troop 5351, Girl Scouts of Eastern Washington & Northern Idaho (STEM and outdoor education specialist)

2019–2020 Coach, FIRST Lego League Robotics, Richland, WA

2019 Interview, *Ask Dr. Universe* syndicated column, WSU Marketing & Communications (12/26/19).  
<https://askdruniverse.wsu.edu/2019/12/26/make-snow-globe/>

2019 Guest reader for Family Literacy Week, Edison Elementary School, Kennewick, WA (5/6/19)

2018 Co-author, *NARST Graduate Student Resources* blog post (11/10/2018).  
<http://narstgradresources.blogspot.com/2018/11/esera2018-european-summer-school-for.html>

2017 Interview, *Education Eclipse* podcast, WSU College of Education (6/12/17). <https://podcasts.coe.wsu.edu/wp-content/uploads/2018/02/036-From-Parapro-to-Teacher.mp3>

2015–2019 Science, literacy, and outdoor education volunteer, Sagebrush Montessori School, Richland, WA

2005–2009 Master Gardener, Washington State University Extension of Benton & Franklin Counties

### PROFESSIONAL LEARNING

2022 WSU faculty trainings: ELEVATE Inclusive Teaching Workshop; Equity-Minded Mentoring Practices; Faculty Responsibilities Related to Students with Disabilities

2021 WSU Distance Delivery Master Certificate

2020 ASTE Conference Workshop: Successful Grant Writing

2019 AERA Division K Pre-Conference Seminar: Theorizing Teacher Education and Teacher Learning

2019 WSU Learning and Performance Research Center Annual Workshop: Mixed Methods

2019 Mental Health First Aid USA for Higher Education

2018–2019	Diversifying the Educator Workforce workshops, Professional Educator Standards Board and Bill & Melinda Gates Foundation
2018	ESERA Summer Research School, University of Jyväskylä, Finland
2016–2018	WSU Research Administration Seminar Series (completed certificate in research administration)
2003	Course in College Teaching, Pennsylvania State University (completed certificate)

### **PROFESSIONAL MEMBERSHIPS**

American Educational Research Association (AERA)  
Association for Science Teacher Education (ASTE)  
European Science Education Research Association (ESERA)  
National Association for Research in Science Teaching (NARST)