

DANA MORRIS, Ph.D.

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EDUCATION

Ph.D. Curriculum and Teaching

Baylor University, 2022

- Faculty Advisor: Dr. Justina Ogado
- GPA: 4.0

M.Ed. Educational Administration

University of Texas, Tyler, 2015

- Coordinator of Program: Dr. Mark Lewis
- GPA: 4.0

B.S. Chemistry

University of Texas, Tyler, 1990

- Department Chair and Supervisor: Dr. Donald McClaugherty
 - GPA: 3.47
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PROFESSIONAL POSITIONS

Assistant Professor, STEM Education

School of Education

University of Texas at Tyler

TEACHING EXPERIENCE

Baylor University

- TED 4640/4641: Secondary Science Intern Seminar and Supervision
- TED 3180: Social Issues Lab
- TED 4307: Elementary Science Methods

University of Texas at Tyler

- ELED 4314: Teaching Science in the Elementary Classroom
 - EDUC 4314: Teaching Science in the Middle and Secondary Classroom
 - EDUC 4383: Science Curriculum in the Elementary Classroom
 - EDUC 4302: Mathematical Problem Solving in Secondary Education
 - EDSI 6XXX: Dissertation Chair
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RESEARCH SCHOLARSHIP

Journal Articles and Book Chapters: Peer-Reviewed

- Morris, D., & Nesmith, S. M. (2021). Connecting engineering design and inquiry to the implementation of engineering design challenges in elementary classrooms. *School Science and Mathematics*, 121(5), E1-E3. <https://doi.org/10.1111/ssm.12473>
- Ogodo, J. A., Simon, M., Morris, D., & Akubo, M. (2021). Examining K-12 teachers' digital competency and technology self-efficacy during the COVID-19 pandemic. *Journal of Higher Education Theory & Practice*, 21(11).
- Morris, D. (2022). Exploring coach-mediated reflection: Developing an early-career chemistry teacher's pedagogical content knowledge (*Doctoral dissertation, Baylor University*).
- Morris, D. L. (2024). Reflections of a first-year chemistry teacher: Intersecting PCK responsiveness and inquiry instruction. *Education Sciences*, 14(1), 93.
- Morris, D., & Ogodo, J. A. (2024). University-based induction coaching: Cultivating teacher development through reflective practice. In D. Sunal, C. S. Sunal, & J. A. Ogodo (Eds.), *Crossing the Border from Preservice to Inservice Science Teacher: Research-based Induction as Professional Development* (pp. 143–164). Information Age Publishing.
- Ogodo, J. A., Ding, Li., & Morris, D. L. (2024). Early-career teacher induction-mentoring program: Nurturing STEM teachers for urban high-need schools. In D. W. Sunal, C. S. Sunal, & J. A. Ogodo (Eds.), *Crossing the border from preservice to inservice science teacher: Research-based induction as professional development* (pp. 115–142). Information Age Publishing.
- Odell, M., Kennedy, T. J., Morris, D. L., & Simmons, J. A. (2025). The university of texas at tyler university academy: A p-16 research-based laboratory school model to develop a sustainable stem pipeline. In M. Odell, T. J. Kennedy, B. Meyer, & J. Sarada (Eds.), *The how and why of laboratory schools innovations and success stories in teacher preparation and student learning* (pp. 341–366). Meyers Education Press.
- Morris, D. L. (2025) Rethinking science education practices shifting from investigation-centric to comprehensive inquiry-based instruction. *Education Sciences*, 15(1), 73.
- Ogodo, J. A., Morris, D. L., Moos, K. (submitted). Toward a sustainable teacher workforce: Examining pre-service teachers' perspectives on K12 science experiences. *School Science and Mathematics*.

- Morris, D. L., Ogodo, J. A., Taylor, B. (submitted). Bridging the gap between beliefs and practice: Preservice science teachers' orientations toward experiential place-based instruction. *Electronic Journal for Research in Science and Mathematics Education*.
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PRESENTATIONS

- *Southeastern Universities Graduate Research Symposium: Research-Based Learning: A Framework for Secondary Science Instruction* (April 2020)
 - *School Science and Mathematics Association Annual Convention: Chopped Challenge: Enhancing Preservice Teachers' Lesson Planning Competencies* (November 2020)
 - *Baylor Emerging Research Conference: The Impact of Teacher Identity on Collaborative Curriculum Development Through Lesson Study* (February 2021)
 - *American Educational Research Association: Uncharted Territories: Examining K-12 Teachers' Digital Competence and Technology Self-Efficacy During the COVID-19 Pandemic* (March 2021)
 - *National Association of Research in Science Teaching: Teaching Science Virtually during the COVID-19 Pandemic* (March 2021)
 - *School Science and Mathematics Association Annual Convention: Shoot for the Stars: A Multi-Organization Partnership to Create a STEAM Camp in an Urban Setting* (October 2021)
 - *Texas STEM Conference: Practical STEM Integration: Embedding Engineering Design in 5E Inquiry Instruction* (February 2023)
 - *Texas STEM Conference: Supporting Students in Developing and Using Models in Science and STEM Classrooms* (February 2024)
 - *American Educational Research Association: Using Cultural Border-Crossing Experience to Enhance Preservice Teachers' Pedagogical Practice in Urban Settings* (April 2023)
 - *American Educational Research Association: Symposium: But What the Heck is a Theoretical and Conceptual Framework - Students as Researchers: Developing a Constructivist Framework for Science Learning* (April 2024)
 - *Southwest Region-Association for Science Teacher Education: Teaching Reflective Practice in Teacher Education Using Video Reflection Assignments* (October 2024)
 - *Consortium of State Organizations for Texas Teacher Education: University-Based Induction Support: A Coaching Lab with a Coaching Framework* (October 2024)
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SERVICE

- **Editorial Review Board**, *Electronic Journal for Research in Science and Mathematics Education* (2023-2025)
- **Reviewer**, Multidisciplinary Digital Publishing Institute (2024-present)
- **Chair**, Search Committee for Professor of Practice, School of Education (Spring 2023)
- **Member**, CEP Service Award Committee (Spring 2023)

- **Presenter/Support**, Stemsopes Professional Development Workshop (Summer 2023)
 - **Member**, CEP Community Success Committee (Fall 2023/Spring 2026)
 - **Member**, University Academy Teacher of the Year Award Committee (Spring 2024)
 - **Member**, AERA SIG Constructivist Theory Research and Practice (Spring 2023-present)
 - **Member**, AERA SIG Supervision and Instructional Leadership (Fall 2024-present)
 - **Member**, (Ad Hoc) Undergraduate Program Review Committee (2025)
 - **Partner**, East Texas State Fair-Academic Rodeo (2023-present)
 - **Partner**, Chapel Hill High School-Induction Coaching (2024-present)
 - **Partner**, Camp Tyler, Discovery Science Place, Caldwell Zoo-Summer Science Professional Development (2024-present)
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AWARDS AND RECOGNITION

- *Outstanding Conference Submission*, American Educational Research Association - SIG Constructivist Theory Research and Practice (2024)
 - Nominee: *Outstanding Student Instructor*, Baylor University (2021, 2022)
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PROFESSIONAL AFFILIATIONS

- American Chemical Society
 - American Educational Research Association
 - Association of Science Teacher Education
 - School Science and Mathematics Association
 - The Carnegie Project on the Education Doctorate
 - AERA SIG Constructivist Theory Research and Practice
 - AERA SIG Supervision and Instructional Leadership
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