Jennifer C. Stark, Ph.D.

University of West Florida
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Education

University of Florida, Gainesville, FL

- **Ph.D. Curriculum and Instruction**, 2010
- Science Education emphasis
- Dissertation title: *The development and use of a concept mapping assessment tool with young children on family visits to a live butterfly exhibit*

University of Florida, Gainesville, FL

- **M.Ed. Science and Environmental Education**, 2003
- Florida teaching certification in Biology 6-12

University of Florida, Gainesville, FL

- **B.S. Wildlife Ecology and Conservation**, 2002
- Minor in Secondary Education

Professional Experience

Associate Professor, Science Education, School of Education, University of West Florida, Pensacola, FL (2020-present)

- Teach undergraduate, graduate, and doctoral courses in education
    - EDF 3234: Applied Foundations of Education
    - SCE 4310: Teaching Science in the Elementary School
    - EDG 4373: Integrated Arts and Contemporary Educational Tools
    - EDG 5342: Effective Teaching and Instruction
    - EDG 6662: Principles of Curriculum and Instruction
    - EDG 8938: Advanced Methods of Curriculum and Instruction
    - EDF 8289: Curriculum Design
- Supervise Elementary Education, ESE/Elementary Education, and secondary science education teacher candidates in culminating clinical experiences
    - EDG 4940: Student Teaching
    - EDG 4941 & 4942: Internship 1 and 2
    - EDG 4940: Apprenticeship Teaching
- Conduct research on collaborative teacher education and inclusive science education
- Mentor doctoral students in the Ed.D. Curriculum and Assessment specialization

Assistant Professor, Science Education, Department of Teacher Education and Educational Leadership, University of West Florida, Pensacola, FL (2014-2020)

- Taught undergraduate, graduate, and doctoral education courses
- Conducted research on the learning and development of K-8 science teachers and collaborative teacher education
- Mentored doctoral students in the Ed.D. Curriculum and Assessment specialization

Science Education Project Associate, NSF-Math Science Partnership *U-FUTuRES: University of Florida Unites Teachers to Reform Education in Science*, University of Florida, Gainesville, FL (2012-2014)

- Designed and delivered professional development for 35 middle school science teachers from eleven low-achieving Florida school districts
- Conducted research on the development of middle school science teachers as teacher leaders
- Taught online courses in the U-FUTuRES Science Teacher Leadership Institute master's degree program
    - Inquiry-based Science Teaching
    - Science Curriculum Development

Adjunct Faculty, School of Teaching and Learning, University of Florida, Gainesville, FL (2012-2014)

- Taught science education courses for pre-service elementary school teachers in the Unified Elementary ProTeach program
    - Elementary Science Methods for the Inclusive Classroom
    - Inquiry-based Science Teaching

Elementary Teacher, Terwilliger Elementary School, Gainesville, FL (2009-2012)

- Taught K-5 science and math
- SECME sponsor and 21st Century after-school facilitator

Graduate Assistant, School of Teaching and Learning, University of Florida, Gainesville, FL (2007-2009)

- Taught science content and science education courses for pre-service elementary teachers in the Unified Elementary ProTeach program
    - Foundations of Elementary Science
    - Elementary Science Methods for the Inclusive Classroom

Intern Supervisor, School of Teaching and Learning, University of Florida, Gainesville, FL (2008)

- Conducted regular observations of secondary science student teachers in the ProTeach Science Education program
- Provided timely feedback in the areas of classroom management skills, content knowledge, and teaching practices

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Science Teacher, Fort Clarke Middle School, Gainesville, FL (2004-2006)

- Taught 7th and 8th grade science
- Completed Gifted endorsement
- SECME sponsor, Science Fair coordinator, and School Advisory Committee member

Science Teacher, Howard Bishop Middle School, Gainesville, FL (2003-2004)

- Taught 7th and 8th grade science
- Science Fair coordinator

Other Professional Experience

Life Science Strand Leader and Trainer, FL-DOE Math Science Partnership *LETAS: Let's Talk Science*, University of Florida, Gainesville, FL (2007-2008)

- Developed and implemented content-focused professional development for in-service elementary science teachers in two low-achieving Florida school districts

Regional Science and Engineering Fair Coordinator, School Board of Alachua County, Gainesville, FL (2006)

- Coordinated the Alachua County Regional Science and Engineering Fair
- Organized and chaperoned trips to the state and international science and engineering fairs for finalists

Peer-reviewed Publications*

Stark, J. & Nguyen, G. N. (in press). Deciphering the standards: Helping teacher candidates decide what to teach about magnetic interactions. *Science and Children.*

Stark, J. (2025). A place-based lesson: Life cycles and conservation of animals at the Gulf Islands National Seashore. *Science and Children, 62*(2), 56-62.

Fogle, K. & Stark, J. (2023). Building more flexible special education teachers: UDL integration in a dual-licensure program. *Journal of Special Education Preparation, 3*(3), 28-37. https://doi.org/10.33043/JOSEP.3.3.28-37

Whinnery, S. B., Fogle, K. C., Stark, J. C., & Whinnery, K. W. (2020). Building collaborative teacher education: Integrating UDL through a Faculty Learning Community. *Journal of Practitioner Research*, *5*(2), 1-34. https://doi.org/10.5038/2379-9951.5.2.1161

Mesa, J. & Pringle, R. M. (2019). Change from within: Middle school science teachers leading professional learning communities. *The Middle School Journal, 50*(5), 5-14. https://doi.org/10.1080/00940771.2019.1674767

Pringle, R. M., Mesa, J., & Hayes, L. (2018). Meeting the demands of science reforms: Comprehensive professional development for practicing middle school teachers. *Research in Science Education, 50*(2), 709-737. https://doi.org/10.1007/s11165-018-9708-9

*Last name changed from Mesa to Stark in the 2020-2021 academic year.

Mesa, J. (2018). Using the UDL framework to support ALL learners in the 5E unit: Bringing back our Bayou Chico. *Science and Children, 55*(5), 35-41.

Pringle, R. M., Mesa, J., & Hayes, L. (2017). Professional development for middle school science teachers: Does an educative curriculum make a difference? *Journal of Science Teacher Education, 28*(1), 57-72. https://doi.org/10.1080/1046560X.2016.1277599

Mesa, J. & Nguyen, G. (2017). Go, turtle, go: Measuring motion to build proficiency in science and mathematics. *Science Scope, 40*(8), 54-61.

Mesa, J., & Sorensen, K. (2016). Firefly, firefly: First-grade students learn, talk, and write about light. *Science and Children, 54*(1), 52-57.

Dogan, S., Pringle, R. M., & Mesa, J. (2015). The impact of professional learning communities on science teachers' knowledge, practice, and student learning: A review. *Professional Development in Education, 42*(4), 569-588. https://doi.org/10.1080/19415257.2015.1065899

Mesa, J., Pringle, R. M., & King, N. (2014). Surfacing students' prior knowledge in middle school science classrooms: Exception or the rule? *Middle Grades Research Journal: STEM Special Issue, 9*(3), 61-72.

Mesa, J., Pringle, R. M., & Hayes, L. (2013). Show me the evidence! Scientific argumentation in the middle school classroom. *Science Scope, 36*(9), 60-64.

Mesa, J., Klosterman, M., & Cronin-Jones, L. (2011). The POETRY of science: A flexible tool for assessing elementary student science journals. In Wheeler-Toppen, J. (Ed.), *Science the "Write" Way.* Arlington, VA: NSTA Press.

Klosterman, M., Mesa, J., & Milton, K. (2009). Cell phones, towers, birds, oh my!, *Science Scope, 33*(3), 34-41.

Mesa, J., Klosterman, M., & Cronin-Jones, L. (2008). The POETRY of science: A flexible tool for assessing elementary student science journals. *Science and Children*, *46*(3), 36-41.

Book Chapters

Stark, J. C. (2023). What happened to the puddle? In S. Jeong, L. Bryan, D. Tippins & C. Sexton (Eds.), *Navigating the challenges of elementary science teaching and learning: Using case-based pedagogy to understand dilemmas of practice*. Springer Nature.

*Last name changed from Mesa to Stark in the 2020-2021 academic year.

Stark, J. C., Lew, S., & Pecore, J. L. (2022). Let's talk science: Using questioning to foster discussion in the online elementary classroom. In F. Allaire & J. Killman (Eds.), *Teaching and learning online: Science for elementary grade levels.* Information Age Publishing.

Gaines, T., Mesa, J., & Pecore, J. (2015). Twentieth-century scientists who epitomize the interplay of creativity and giftedness. In Demetrikopoulos, M. & J. Pecore (Eds.), *Interplay of creativity and giftedness in science.* Sense Publishers.

Invited Conference Proceedings

Whinnery, S., Mesa, J., Fogle, K. & Whinnery, K. (2019). Impact of UDL curriculum integration on teacher candidates' knowledge, perceptions, and attitudes. In A. Markelz, (Ed.), *TED 2019 Conference Proceedings: Unmask Your Potential* (pp 87-91). Teacher Education Division of the Council for Exceptional Children, New Orleans, LA.

Invited Blog

Pecore, J., Stark, J., Demetrikopoulos, M., & Owusu-Daaku, K. (2023, December). *Drip, drip…Our STEM teacher education programs are leaking!* Advancing Research and Innovation in the STEM Education (ARISE) of Preservice Teachers in High-Need Districts blog. https://aaas-arise.org/2023/12/13/drip-drip-our-stem-teacher-education-programs-are-leaking/

Open Educational Resource

Stark, J. & Murray, M. (2023). *Content for Florida elementary science teachers (K-6).* University of West Florida Pressbooks. https://pressbooks.uwf.edu/sce4310/

Peer-reviewed Presentations

Stark, J. (2024, January). *Exploring elementary activities from TeachersPayTeachers.com: Implications for preservice science teacher education.* Poster presented at the annual meeting of the Association for Science Teacher Education, New Orleans, LA.

Stark, J. (2023, October). *Analyzing elementary science resources from TeachersPayTeachers.com: An exploratory study.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Miami, FL.

Stark, J., Pecore, J., Demetrikopoulos, M., & Owusu-Daaku, K. (2023, January). *Patterns of interest and identity in teacher preparation coursework for STEM undergraduates.* Paper presented at the annual meeting of the Association for Science Teacher Education, Salt Lake City, UT.

Stark, J., Pecore, J., Demetrikopoulos, M., & Owusu-Daaku, K. (2022, October). *Interest, identity, and persistence of STEM undergraduates in teacher preparation coursework.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Gulf Shores, AL.

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Shume, T. & Stark, J. (2022, January). *Teaching Universal Design for Learning (UDL) in elementary and secondary science methods courses.* Virtual poster presented at the annual meeting of the Association for Science Teacher Education, Greenville, SC.

Mesa, J. (2020, January). *Preservice teachers using the UDL framework to plan accessible 3D science.* Paper presented at the annual meeting of the Association for Science Teacher Education, San Antonio, TX.

Whinnery, S., Mesa, J., Fogle, K. & Whinnery, K. (2019, November). *Impact of UDL curriculum integration on teacher candidates' knowledge, perceptions, and attitudes.* Paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, New Orleans, LA.

Nguyen, N.G. & Mesa, J. (2019, February). *Pre-service teachers' development of teaching practices through micro-teaching of STEM lessons.* Paper presented at the annual meeting of the Association for Teacher Education, Atlanta, GA.

Mesa, J. (2019, January). *Examining preservice teachers' use of the UDL Framework to ensure access to three-dimensional science.* Paper presented at the annual meeting of the Association for Science Teacher Education, Savannah, GA.

Pecore, J., Mesa, J., & Waller, B. (2018, January). *Comparison of teacher preparedness between face-to-face and online elementary science methods courses.* Paper presented at the annual meeting of the Association for Science Teacher Education, Des Moines, IA.

Whinnery, S.B., Haley, K., Mesa, J., & Whinnery, K. (2017, November). *Impact of a faculty learning community on cross-disciplinary collaboration in teacher education.* Paper presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Savannah, GA.

Pecore, J., Waller, B., & Mesa, J. (2017, October). *Pass/Fail: Performance on elementary science teacher certification exam of online compared to face-to-face students.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Pensacola Beach, FL.

Pecore, J. & Mesa, J. (2017, January). *Integrating technology through Universal Design for Learning to reduce learning barriers for all students in an elementary science methods course.* Paper presented at the annual meeting of the Association for Science Teacher Education, Reno, NV.

Mesa, J., Pringle, R., & King, N. (2017, January). *The impact of educative curriculum materials on middle school science teachers' practices.* Paper presented at the annual meeting of the Association for Science Teacher Education, Reno, NV.

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Whinnery, S.B., Haley, K., Mesa, J., & Whinnery, K. (2016, November). *Using UDL integration to increase collaboration in teacher education to improve outcomes for diverse learners.* Poster presented at the annual meeting of the Teacher Education Division of the Council for Exceptional Children, Lexington, KY.

Mesa, J. & Evans, K. (2016, October). *Learning at Arcadia Mill: The design and impact of a service-learning project on pre-service teachers.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Kennesaw, GA.

Demetrikopoulos, M., Pecore, J., Gaines, T., Mesa, J., Peters-Burton, E., & Martin-Hansen, L. (2016, January). *Encouraging creativity while teaching diverse future gifted scientists: A panel discussion relevant to teaching pre-service and in-service teachers.* Paper set presented at the annual meeting of the Association for Science Teacher Education, Reno, NV.

Mesa, J., Pringle, R., King, N., & Hayes, L. (2016, January). *Next generation ready: Professional development and practices of middle school science teachers supporting students in explaining phenomena.* Paper presented at the annual meeting of the Association for Science Teacher Education, Reno, NV.

Pringle, R., Hayes, L., King, N., & Mesa, J. (2016, January). *Developing partnerships with scientists: The phenomenon for improving science teaching in the middle grades.* Paper presented at the annual meeting of the Association for Science Teacher Education, Reno, NV.

Mesa, J., & Pecore, J. (2015, October). *Preparing NGSS-ready elementary science teachers in an online methods course.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Columbia, GA.

Mesa, J., Pringle, & King, N. (2015, April). *Taking steps towards the NGSS: Scientists and science educators designing standards-based science courses for teachers.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Chicago, IL.

Pringle, R., Mesa, J., & King, N. (2015, January). *Meeting the demands of science reform: Comprehensive professional development for practicing middle school teachers.* Paper presented at the annual meeting of the Association for Science Teacher Education, Portland, OR.

Mesa, J., Pringle, R., & King, N. (2014, September). *Exploring wonderings: Teacher inquiry as professional development.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Savannah, GA.

Mesa, J., Pringle, R., & Hayes, L. (2014, April). *Moving beyond students as blank slates: Middle school science teachers' practices around eliciting prior knowledge.* Poster presented at the annual meeting of the American Educational Research Association, Philadelphia, PA.

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Pringle, R., Mesa, J., Kumaran, L., & Hayes, L. (2014, January). *Partnering with school districts: Policies, politics, and the implications for practice toward transforming middle school science education.* Paper presented at the annual meeting of the Association for Science Teacher Education, San Antonio, TX.

King, N., Pringle, R., & Mesa, J. (2013, October). *Negotiating rigor & best practices: Designing an effective physical science content course for middle school science teachers.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Statesboro, GA.

Pringle, R., Mesa, J., & Hayes, L. (2013, April). *A comprehensive professional development program for in-service middle science teachers: Tensions and early successes.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, San Juan, Puerto Rico.

Hayes, L., Pringle, R., Mesa, J., & Hershfield, S. (2013, February). *Shared vision to practice: Early lessons learned from developing a partnership with higher education STEM faculty.* Paper presented at the annual NSF Math Science Partnership Learning Network Conference, Washington, D.C.

Pringle, R., Mesa, J., & Hayes, L. (2013, January). *On becoming a middle school science teacher leader: Who are our middle school science teachers?* Paper presented at the annual meeting of the Association for Science Teacher Education, Charleston, SC.

Mesa, J., & Pringle, R. (2012, October). *Shifting pedagogical content knowledge: Structuring high-quality professional development to support changes in science teacher knowledge and practices.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Macon, GA.

Mesa, J., & Cronin-Jones, L. (2011, April). *The development and use of a concept mapping assessment tool with young children on family visits to a live butterfly exhibit.* Paper presented at the annual meeting of the National Association for Research in Science Teaching, Orlando, FL.

Cronin-Jones, L., Mesa, J., & Klosterman, M. (2007, November). *Drawings of schoolyard ecosystems as alternative assessments.* Paper presented at the annual research symposium of the North American Association for Environmental Education, Virginia Beach, VA.

Cronin-Jones, L., Mesa, J., & Klosterman, M. (2007, November). *Long-term impacts of outdoor schoolyard experiences in elementary school.* Paper presented at the annual research symposium of the North American Association for Environmental Education, Virginia Beach, VA.

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Mesa, J. (2007, October). *Families at the Butterfly Rainforest.* Paper presented at the annual meeting of the Southeastern Association for Science Teacher Education, Valdosta, GA.

Cronin-Jones, L., Klosterman, M., & Mesa, J. (2006, October). *Are outdoor schoolyard learning activities really effective?: A standards-based evaluation.* Paper presented at the annual research symposium of the North American Association for Environmental Education, St. Paul, MN.

Invited Presentations

Whinnery, S. B., Mesa, J., Haley, K. C., & Whinnery, K. W. (2017, June). *Using UDL integration to increase collaboration in teacher education to improve outcomes for diverse learners.* Invited presentation at the National CEEDAR Cross-State Convening, Chicago, IL.

Whinnery, S. B., Mesa, J., Haley, K. C., & Whinnery, K. (2016, July). *Implementing UDL in teacher preparation courses.* Invited presentation at the 2nd Annual Educational Justice Conference, Orlando, FL.

Whinnery, S. B., Mesa, J., Haley, K. C., & Whinnery, K. W. (2016, June). *Implementing UDL in teacher preparation courses.* Invited poster presentation at the National CEEDAR Cross-State Convening, Reston, VA.

Whinnery, S. B., Haley, K., Mesa, J., & Whinnery, K. (2016, June). *Implementing UDL in teacher preparation courses.* Invited presentation at the Florida Department of Education IHE Summer Institute, Daytona Beach, FL.

Whinnery, S. B., Haley, K., Johnson, J., Mesa, J., & Whinnery, K. W. (2015, June). *Collaboration for Effective Educator Development, Accountability, and Reform (CEEDAR) Universal Design for Learning (UDL) curriculum enhancement project.* Invited presentation at the Florida Department of Education IHE Summer Institute, St. Augustine, FL.

Workshops for Teachers, Teacher Educators, and Community Members

Stark, J. (2024, November). *SMART shopping in the online marketplace*. Workshop presented at the national conference of the National Science Teaching Association, New Orleans, LA.

Stark, J. (2024, October). *Developing a SMART shopping checklist for the online marketplace.* Workshop presented at the annual meeting of the Southeastern Association for Science Teacher Education, Long Beach, MS.

Shume, T. & Stark, J. (2023, January). *Preparing preservice teachers to use Universal Design for Learning (UDL): Learning strategies for science methods courses.* Workshop presented at the annual meeting of the Association for Science Teacher Education, Salt Lake City, UT.

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Stark, J., Whinnery, S. & Aeppli-Campbell, K. (2022, March). *The final stretch: Striving to overcome the UDL theory to practice gap in teacher education.* Virtual workshop presented at the Universal Design for Learning Implementation and Research Network International Summit.

Stark, J. & Nguyen, G. (2021, March). *Supporting your student: Encouraging and motivating for success.* Virtual workshop presented at UWF in partnership with the Escambia County Schools Foundation.

Mesa, J. (2020, October). *Using UDL to promote engagement and learning in science.* Virtual workshop presented at the annual meeting of the Florida Association of Science Teachers.

Mesa, J. (2020, July). *Using UDL to promote equity in science.* Virtual workshop presented at the summer mini-conference of the Florida Association of Science Teachers.

Mesa, J. (2019, October). *Keep calm and teach elementary science.* Workshop presented at the annual meeting of the Southeastern Association for Science Teacher Education, Carrollton, GA.

Mesa, J. (2019, March). *Writing scientific arguments in grades 3-5.* Workshop presented at the Escambia County School District, Pensacola, FL.

Mesa, J. (2019, March). *Writing scientific arguments in grades K-2.* Workshop presented at the Escambia County School District, Pensacola, FL.

Mesa, J. (2019, January). *Writing scientific arguments in grades K-5.* Workshop presented at the Escambia County School District "Raise the Bar" conference, Pensacola, FL.

Mesa, J. (2019, January). *Claims, evidence, reasoning for science (6-8).* Workshop presented at the Escambia County School District "Raise the Bar" conference, Pensacola, FL.

Mesa, J. (2018, June). *Writing scientific arguments across grades K-12.* Workshop presented at the UWF National Writing Project Summer Institute, Pensacola, FL.

Mesa, J. (2017, October). *What is that green thing?* Workshop presented at the annual meeting of the Northwest Florida Association for the Education of Young Children, Gulf Breeze, FL.

Mesa, J. (2017, June). *Writing scientific arguments across grades K-12.* Workshop presented at the UWF National Writing Project Summer Institute, Pensacola, FL.

Mesa, J. (2017, April). *It's not just about facts: Growing elementary writers.* Workshop presented at the Pensacola Literacy Symposium, Pensacola, FL.

Mesa, J. (2017, April). *Are you CERtain? Writing strong conclusions in middle school science.* Workshop presented at the Pensacola Literacy Symposium, Pensacola, FL.

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Mesa, J. (2016, September). C*reating nature field guides with elementary students.* Workshop presented at the Creative Learning Academy, Pensacola, FL.

Mesa, J. (2016, August). *Using the CER framework to write scientific arguments.* Workshop presented at Bagdad Elementary, Milton, FL.

Mesa, J. (2016, August). *Using the CER framework to write scientific arguments.* Workshop presented at the Escambia County School District Middle School Science In-service, Pensacola, FL.

Mesa, J. (2016, June). *Writing scientific arguments in grades K-5.* Workshop presented at the UWF National Writing Project Summer Institute, Pensacola, FL.

Pecore, J. & Mesa, J. (2016, April). *Probeware and practices: Partners for elementary science.* Workshop presented at the annual meeting of the National Science Teachers Association, Nashville, TN.

Mesa, J., Nguyen, N., & Gaudette, M. (2015, October). *Speedy turtle: Using probeware and practices to learn about motion.* Workshop presented at the annual meeting of the Florida Association of Science Teachers, Tallahassee, FL.

Mesa, J., & Pecore, J. (2015, October). *Perfect partners: Using probeware to explore energy, and science and engineering practices.* Workshop presented at the annual meeting of the Florida Association of Science Teachers, Tallahassee, FL.

Mesa, J., & Sorensen, K. (2015, October). *Firefly, firefly: Teaching young students about light.* Workshop presented at the annual meeting of the Florida Association of Science Teachers, Tallahassee, FL.

Mesa, J. (2015, June). *Writing scientific arguments in grades K-5.* Workshop presented at the UWF National Writing Project Summer Institute, Pensacola, FL.

Mesa, J., & Pringle, R. (2014, November). *Change from within: Strategies to initiate and sustain professional learning communities for science teachers.* Workshop presented at the regional meeting of the National Science Teachers Association, Orlando, FL.

Mesa, J., & Pecore, J. (2014, October). *Getting centered on science: Using play and science centers to promote inquiry in preschool.* Workshop presented at the annual meeting of the Northwest Florida Association for the Education of Young Children, Gulf Breeze, FL.

Pringle, R., & Mesa, J. (2014, April). *Writing to learn and learning to write in middle grades science classrooms.* Workshop presented at the national meeting of the National Science Teachers Association, Boston, MA.

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Pringle, R., Mesa, J., King, N., & McLaughlin, C. (2012, October). *Making science visible in K-8 classrooms: Teaching light and inquiry-based science practices*. Workshop presented at the annual meeting of the Florida Association of Science Teachers, Clearwater, FL.

Klosterman, M., Mesa, J., & Krank, M. (2010, March). *Planting the seeds of science at kindergarten centers.* Workshop presented at the national meeting of the National Science Teachers Association, Philadelphia, PA.

Klosterman, M., & Mesa, J., & Milton, K. (2010, March). *Can you hear me now? Using cell phones and role-plays to promote interdisciplinary classroom connections.* Workshop presented at the national meeting of the National Science Teachers Association, Philadelphia, PA.

Podcast

Crawley, W. & Stark, J. (2021, July). *Preparing your student for college.* Supporting Your Student Parent Podcast series. https://podcast.app/preparing-your-student-for-college-e144177087

Professional Development

- Accessibility of Instructional Materials (AIM), 2025
- Youth Mental Health First Aid, 2025
- Canva Teacher Essentials, 2024
- UWF Faculty Learning EXchange (FLEX), 2024
- Know Child Abuse, 2023
- UWF Open Educational Resources and Creative Commons Licensing, 2023
- ASTE Equity Committee: Call to Action and Reflection Retreat, 2022
- UWF AXIS Magna Monday, 2022-2023
- UWF RAE Grant Writing, 2021
- Google for Education, 2021
- Nearpod, 2020
- UWF Clinical Educator Training, 2018
- UWF Danielson Evaluation Training, 2018
- Survey Research Using Qualtrics, 2016
- UWF Emerge Faculty Fellows Summer Institute, 2015 & 2016

Service to the Community

- Member, State of Florida Science Standards Review Workgroup, 2025
- Judge, Toshiba/NSTA ExploraVision competition, Regions 4 & 5, 2025
- Secretary, School Advisory Committee, Brown Barge Middle School, 2024-2025
- Volunteer, Marine Biology Club, West Florida High School, 2024
- Event coordinator, Escambia County Elementary Science Olympiad, 2024
- Member, Santa Rosa County Elementary Science Textbook Adoption Committee, 2023-2024
- Volunteer, Brown Barge Middle School, 2022-2024

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- Volunteer, Gulf Coast Freedom School, 2021-2024
- Volunteer, Scenic Heights Elementary School, 2014-2019, 2022-2023
- Volunteer, C.A. Weis Community School SAIL Academy, 2017-2018
- Member, Escambia County Elementary Science Textbook Adoption Committee, 2017
- Member, Escambia County Teacher of the Year Selection Committee, 2015
- Judge, J. H. Workman Middle School Science Fair, 2014

Service to the Profession

- Secretary/Treasurer, Southeastern Association for Science Teacher Education (SASTE), 2022-present
- Local conference chair, 2024 international meeting, Association for Science Teacher Education (ASTE), New Orleans, LA, 2022-2024
- Member, ASTE executive committee, 2022-2023
- External reviewer, Zoo and Aquarium Science (B.S.) program, Saint Francis University, 2022
- Chair, ASTE awards committee, 2021-2023
- Co-chair, ASTE awards committee, 2020-2021
- Board member, ASTE, 2020-2023
- Journal reviewer, Curriculum and Teaching Dialogue, 2020
- Southeast regional representative, Association for Science Teacher Education (ASTE), 2017-2022
- Thread coordinator, ASTE Annual International Conference, 2018-2020
- Proposal reviewer, ASTE Annual International Conference, 2014-2017
- Presider, ASTE Annual International Conference, 2016
- Registration volunteer, ASTE Annual International Conference, 2015
- Proposal reviewer, NARST Annual International Conference, 2014

Service to the Department/School

- SOE Faculty Fellow, Center for Teaching, Learning, and Technology, 2025
- Chair, Scholarship committee, 2024-present
- Member, School of Education (SOE) advisory council, 2023-2024
- Chair, SOE Director search committee, fall 2023
- Member, SOE Bylaws committee, 2022-2023
- Chair, Recruitment and support committee, 2021-2023
- Trainer, UDL summer workshop for cooperating teachers, summer 2022
- Member, Assistant Director of Clinical Experiences search committee, summer 2022
- Member, SOE Director search committee, spring 2022
- Facilitator, UDL professional learning community, fall 2021
- Trainer, UDL summer workshop for cooperating teachers, summer 2021
- Trainer, UDL workshop for clinical faculty, spring 2021
- Member, Teacher Ready curriculum review team, 2020-2021
- Trainer, Danielson Evaluation of teacher candidates, summer 2020
- Member, Content work group, summer 2020
- Member, Clinical work group, 2019-present
- Member, Technology work group, 2019-2020

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- Member, By-laws work group, summer 2019
- Co-chair, Recruitment work group, 2018-2020
- Standard 1 Lead Author, CAEP Self-study report, 2018
- Coordinator, Undergraduate Programs, 2017-2018
- Member, Continuous Improvement Team, 2016-2020
- Member, TEEL Chair search committee, 2016
- Member, UWF Educator Assessment and Accreditation Planning Committee, 2016
- Key Personnel, UWF Universal Design for Learning Enhancement Project (Principal Investigator: Dr. Stacie Whinnery), 2015-2020
- Facilitator, FTCE review sessions, 2015-2020
- Key personnel, Recruiting Impassioned STEM Educators (Principal Investigator: Dr. John Pecore), 2015-2016
- Member, Teaching and Learning undergraduate specialization ad hoc committee, 2015
- Member, Evaluation and Assessment of Teaching ad hoc committee, 2015
- Member, Curriculum and Assessment doctoral specialization ad hoc committee, 2014

Service to the College/University

- Member, Faculty Senate and Academic Council, 2022-present
- Member, Faculty Excellence in Teaching Award selection committee, 2024
- Co-Chair, Professional Education Council, 2023-2024
- Member, Distinguished University Professor selection committee, 2022
- Chair, CEPS council, 2021-2023
- Co-chair, CEPS council, 2020-2021
- Score counselor, Northwest Florida Regional Science Olympiad, 2016-2020
- Faculty volunteer, Explore UWF! Open House, 2016-2019
- Representative, Library Committee, 2016-2018
- Representative, Professional Education Council, 2015-2018
- Faculty volunteer, School-age Summer Camp, Educational Research Center for Child Development, 2016
- Faculty volunteer, President's Scholarship Competition, 2016

Grants (Funded)

- *Collaboration for Effective Educator Development, Accountability and Reform (CEEDAR) teacher education curriculum enhancement replication* (Primary Investigator: Dr. Stacie Whinnery), Florida Department of Education, $25,000, 5/21-8/21, Role: Key Personnel.
- *STEM Microteaching,* UWF Quality Enhancement Project, $5000, 9/16-8/17, Role: Primary Investigator
- *Creating and Communicating Integrated Informal Education Experiences for a Local Learning Ecosystem* (Primary Investigator: Dr. Karen Evans), UWF Quality Enhancement Project, $5000, 8/15-8/17, Role: Co-Primary Investigator
- *Technology-infused Science Teacher Education for the 21st Century, UWF Instructional Technology Enhancement Project*, $42,600, 4/15-8/16, Role: Primary Investigator

*Last name changed from Mesa to Stark in the 2020-2021 academic year.

Grants (Unfunded)

- *National STEM Teacher Corps Pilot Program: Unlocking the Power of Computational Thinking in K-12 Mathematics Education (UP-CT) Regional Alliance* (Principal Investigator: Ruthmae Sears, UCF), National Science Foundation, UWF Sub-Award $225,000, Role: Co-Primary Investigator
- *Research Experience for Teachers: Computer Science Research Experiences for Teachers Focused on Security of Internet of Things (IoT) and Data Analysis* (Primary Investigator: Dr. Sikha Bagui), National Science Foundation, $599,190, Role: Co-Primary Investigator
- *Project PETREL: Preparing Elementary Teachers Who Can Reach Every Learner*, IDEA Impact Grant, $10,000, Role: Primary Investigator
- *Empower Elementary STEM Teachers in Early Field Experience through Coaching and Mentoring: Common STEM Effective Teaching Practices* (Primary Investigator: Giang-Nguyen Nguyen), Spencer Foundation Grant, $50,000, Role: Co-Primary Investigator

Honors and Awards

- Faculty Excellence in Teaching Award, University of West Florida, 2024
- Open Educational Resources ACE (Adapt, Create, Engage) Faculty Award, University of West Florida, 2023
- Outstanding Contributions in Teaching Faculty Award, College of Education and Professional Studies, University of West Florida, 2018
- Adult Volunteer of the Year, Scenic Heights Elementary, 2018
- Emerge Faculty Fellow, College of Education and Professional Studies, University of West Florida, 2015-2017
- University of Florida Graduate Fellow, University of Florida, 2006-2009

Professional Memberships

- Association for Science Teacher Education (ASTE)
- Southeastern Association for Science Teacher Education (SASTE)
- National Science Teacher Association (NSTA)
- Florida Association of Science Teachers (FAST)

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