

**Melanie Kinskey, Ph.D.**  
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## **EDUCATION**

2020	Ph.D., Curriculum and Instruction	University of South Florida
2011	M.Ed., Educational Leadership	Saint Leo University
2007	B.A., Elementary Education	Saint Leo University

Graduate certificate in Qualitative Research from University of South Florida,  
2020

## **PROFESSIONAL EXPERIENCE**

### **Academic Positions**

Fall 2024 - present	Assistant Professor of Science Education, Texas A&M University, Teaching Learning and Culture
Fall 2020 – Spring 2024	Assistant Professor of Science Education, Sam Houston State University, School of Teaching and Learning <ul style="list-style-type: none"><li>○ CIEE 3335: Science Instruction in Elementary Grades (Undergraduate)</li><li>○ CIEE 4377: Early Adolescent Learners (Undergraduate)</li><li>○ CIEE 3374: Human Growth and Learning (undergraduate)</li><li>○ CIED 5371: Applied Research in Education (Graduate)</li><li>○ CIED 5383: Integrating Current Technology in Teaching (Graduate)</li><li>○ CIED 5384: Curricular Trends for Classroom Teaching (Graduate)</li><li>○ CIED 7349: Curriculum Studies (Doctoral)</li></ul>
Summer 2020	Adjunct Professor, University of South Florida (St. Petersburg), College of Education <ul style="list-style-type: none"><li>○ SCE 6836: Middle Grades Earth Space Science</li></ul>
Fall 2017–Spring 2020	Graduate Teaching / Research Assistant, University of South Florida (Tampa), College of Education <ul style="list-style-type: none"><li>○ SCE 4310: Teaching Elementary School Science</li><li>○ EDE 4941: Elementary Education Internship Level I</li><li>○ EDE 4942: Elementary Education Internship Level II</li><li>○ EDE 4943: Elementary Education Internship Level III</li><li>○ EDE 4940: Elementary Education Internship: Final Internship</li><li>○ EDE 4504: Creating and Differentiating Learning</li></ul>

- Environments
- EDE 4301: Instructional Planning for Diverse Learners

### **K-12 Teaching Positions**

Oct. 2015 - June 2016	Grade 4 Science and ELA Teacher, Hillsborough County Public Schools, Tampa, FL
Aug. – Oct. 2015	Grade 1 Teacher (All subjects), Hillsborough County Public Schools, Tampa, FL
Aug. 2011 - July 2014	Grade 5 (Science) Teacher and STEM Instructional Coach, District School Board of Pasco County, Land O'Lakes, FL
Aug. 2007 -Aug. 2011	Grade 4 and Grade 5 Teacher (All subjects), Learning Focused Strategies Instructional Coach, District School Board of Pasco County, Land O'Lakes, FL

### **Educational Policy Positions**

July 2014 - July 2015	Program Development Specialist, Division for Educator Quality, Florida Department of Education, Tallahassee, FL
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### **REFEREED JOURNAL PUBLICATIONS**

Kinskey, M., & Zeidler, D. (2024). Elementary preservice teachers' pedagogical decisions about socioscientific issues instruction. *Journal of Research in Science Teaching*. <https://doi.org/10.1002/tea.21932>

Kinskey, M., & Newton, M. (2024). Teacher candidates' views of future SSI instruction: a multiple case study. *Disciplinary and Interdisciplinary Science Education Research*, 6(1), 8

Asim, S., Davis, J., Kinskey, M., Lavender, H., Murray, J., Obery, A., Sherwood, C.-A., & Voss, S. (2023). Elementary science teacher educators learning together: Catalyzing change with educative curriculum materials and vignette writing. *Innovations in Science Teacher Education*, 8(3).

Kinskey, M. (2023). The importance of teaching nature of science: Exploring preservice teachers' views and instructional practice. *Journal of Science Teacher Education*, 34(3), 307-327.

Zeidler, D., Ruzek, M., & Kinskey, M. (2022). A “meteor” crashed into our school!. *Science and Children*, 59(3), 64-68.

Kinskey, M., Ruzek, M., & Zeidler, D. L. (2021). Facilitating an elementary school-wide immersive academic event. *Innovations in Science Teacher Education*, 6(4).

Kinskey, M., & Callahan, B. E. (2022). The influences of socioscientific issues on general science teaching self-efficacy. *Research in Science Education*, 52(5), 1451-1465. doi: 10.1007/s11165-021-09991-9

Kinskey, M., & Zeidler, D. (2021). Elementary preservice teachers' challenges in designing and implementing socioscientific issues-based lessons. *Journal of Science Teacher Education*, 32(3), 350-372.

Kinskey, M. (2020). Elementary preservice teachers use of speaking, listening, and writing skills to understand the importance of nature of science instruction. *Journal of College Science Teaching*, 49(5), 66-73.

Kinskey, M. (2020). Girls in STEM: Using images to improve female student's interest and motivation in science, technology, engineering, and mathematics. *Science and Children*, 57(7), 56 - 59.

Kinskey, M. (2018). Using action research to improve science teaching self-efficacy. *International Journal of Science Education*, 40(15), 1795-1811. doi: 10.1080/09500693.2018.150289

#### **REFEREED BOOK CHAPTERS**

Kinskey, M. (In Press, 2023) Professional Learning and Taking Risks: How Understanding the Nature of Science Influences Instruction, 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: Cham, Switzerland. Doi: 10.1007/978-3-031-33418-4\_23

Newton, M. H., & Kinskey, M. (2021). The Association Between Course Context and Preservice Teachers' Perceptions of SSI Instruction. In *Socioscientific Issues-Based Instruction for Scientific Literacy Development* (pp. 192-222). IGI Global.

#### **BOOK REVIEWS**

Kinskey, M. (2018). A book review of Using Think-Aloud Interviews and Cognitive Labs. *The Qualitative Researcher*, 23(3).

#### **RESEARCH MANUSCRIPTS UNDER REVIEW**

Kinskey, M. (Submitted to *Journal of Research in Science Teaching*). A community of practice for elementary teacher candidates' professional development in SSI-based pedagogies..

#### **RESEARCH MANUSCRIPTS IN PROGRESS**

Kinskey, M. (In progress). Elementary teacher candidates' views of science instruction after engaging with interdisciplinary STEM materials.

Kinskey, M., Uzum, B., & Contreras-Venegas, A. (In progress). Working with English language learners: Supporting elementary teacher candidates' inclusive science lesson planning. Submit to *Cultural Studies in Science Education*.

## **EXTERNAL GRANT ACTIVITY**

### **Submitted, Under Review**

Grant #: 2439535

Role on Project: Co-Principal Investigator

Name of Funding Organization: National Science Foundation

Title of Project: Collaborative Research: Comparing Mixed-Reality Simulations and Peer Teaching to Prepare Preservice STEM Teachers for Culturally Relevant Instruction of Socioscientific Issues

Amount Requested: \$274,993

Date submitted: July 15, 2024

### **Unfunded**

Grant #: 2337706

Role on Project: Principal Investigator

Name of Funding Organization: National Science Foundation

Title of Project: CAREER: Preparing Elementary Teacher Candidates to Facilitate Socioscientific Issues-Based Instruction

Amount Requested: \$550,216

Date submitted: July 21, 2023

Grant #: 2236066

Role on Project: Co-Principal Investigator

Name of Funding Organization: National Science Foundation

Title of Project: Collaborative Research: Preparing STEM Teachers to Facilitate Culturally Relevant Instruction of Socioscientific Issues (CRI-SSI) using Mixed-Reality Simulations

Amount Requested: \$308,083

Date Submitted: July 20, 2022

Grant #: 2239370

Role on Project: Principal Investigator

Name of Funding Organization: National Science Foundation

Title of Project: CAREER: Preparing Elementary Teacher Candidates to Facilitate Culturally Relevant Socioscientific Issues-Based Instruction

Amount Requested: \$490,661

Date Submitted: July 27, 2022

Grant #: 2143322

Role on Project: Principal Investigator

Name of Funding Organization: National Science Foundation  
Title of Project: CAREER: Preparing Elementary Educators for Socioscientific Issues-Focused Literacy Instruction  
Amount Requested: \$564,673  
Date Submitted: July 23, 2021

### **INTERNAL GRANT ACTIVITY**

#### **Awarded**

Grant #: 29068

Role on Project: Principal Investigator

Name of Funding Organization: Sam Houston State University

Amount Awarded: \$2,119

Title of Project: Preparing Elementary Preservice Teachers to Facilitate Literacy-Focused STEM Lessons

Period of Grant Award: May 1, 2021 – April 30, 2022

Grant #: 140100-422005-710-10

Role on Project: Principal Investigator

Name of Funding Organization: Odyssey Grant Program at Sam Houston State University

Title of Project: Active Learning in Hawaii

Amount Awarded: \$2,000

Period of Grant Award: December, 2021

### **REFEREED CONFERENCE PRESENTATIONS**

#### **National/International**

Kinskey, M. (2023, April). *Middle Grades STEM Teachers' Socioscientific Perspective Taking Concerning Socioscientific Issues*, presented at the annual meeting for NARST: A global organization for improving science education through research, Chicago, IL.

Kinskey, M. (2023, April). *Literacy-Based STEM Lessons to Improve Elementary Teacher Candidates' Views of Science Instruction*, presented at the annual meeting for the American Educational Research Association (AERA), Chicago, IL.

Kinskey, M. & Newton, M. (2023, January). *Teacher Candidates' Views of Socioscientific Issues-Based Instruction in K-12 Classrooms*, presented at the annual meeting for the Association for Science Teacher Education (ASTE), Salt Lake City, UT.

Sherwood, C. Kinskey, M. & Voss, S. (2023, January). *Science Teacher Educator Learning Through Educative Curriculum Materials*, presented at the annual meeting for the Association for Science Teacher Education (ASTE), Salt Lake City, UT.

Borowczak, M., Burrows, A., & Kinskey, M. (2023, January). *Review of Lesson Plan Creation and Implementation of Integrated STEM Concepts*, presented at the

annual meeting for the Association for Science Teacher Education (ASTE), Salt Lake City, UT.

Kinskey, M. & Krause, M. (2022, April). *A Community of Practice for Elementary Teacher Candidates Learning to Enact Socioscientific Issues-Based Instruction*, presented at the annual meeting for the American Educational Research Association (AERA), San Diego, CA.

Kinskey, M. & Zeidler, D. L. (2022, March). *Establishing a Community of Practice to Support Elementary Preservice Teachers' Socioscientific Issues-Focused Instruction*, presented at the annual meeting for NARST: A global organization for improving science education through research, Vancouver, British Columbia.

Kinskey, M. (2022, January). Middle Grades STEM Teacher's Engagement With Socioscientific Issues, presented at the annual meeting for the Association for Science Teacher Education (ASTE), Greenville, SC.

Kinskey, M. & Zeidler, D. L. (2021, April). *Instructional Decision-Making for Preservice Teachers' Socioscientific Issues-Based Teaching*, presented at the annual meeting for NARST: A global organization for improving science education through research, Virtual Conference.

Kinskey, M. & Newton, M. (2021, April). *Teacher Candidates' Perceptions of Socioscientific Issues-Based Instruction*, accepted to the annual meeting for the American Educational Research Association (AERA), Virtual Conference.

Kinskey, M. (2021, January). *Elementary Preservice Teachers' Nature of Science Rationale* presented at the annual meeting for the Association for Science Teacher Education (ASTE), Virtual Conference.

Kinskey, M. (2020, April). *Understanding the Importance of Nature of Science Through Field-Based Experiences*, accepted to the annual meeting of the American Educational Research Association (AERA), San Francisco, CA. (Conference Cancelled)

Kinskey, M. & Zeidler, D.L. (2020, March). *Elementary Preservice Teachers' Perceptions of Facilitating Socioscientific Issues*, accepted to the annual meeting of the National Association for Research in Science Teaching (NARST), Portland, OR. (Conference Cancelled)

Zeidler, D.L., Herman, B., Kinskey, M., Willis, S., Wickman, K., Mitchell, M., & Applebaum, S. (2020, March). *Identifying Socioscientific Orientations in the Context of Socioscientific Issues*, accepted to the annual meeting of the National Association for Research in Science Teaching (NARST), Portland, OR. (Conference Cancelled)

Kinskey, M. & Zeidler, D.L. (2020, January). *Challenges Experienced by Elementary Preservice Teachers While Facilitating Socioscientific Issues*, presented at the annual meeting of the Association for Science Teacher Education (ASTE), San Antonio, TX.

Zeidler, D.L., Herman, B., Kinskey, M., Willis, S., Wickman, K., Mitchell, M., & Applebaum, S. (2020, January). *Influencing Students' Social and Moral Compassion Through Socioscientific Issues*, presented at the annual meeting of the Association for Science Teacher Education (ASTE), San Antonio, TX.

Kinskey, M. (2019, April). *Preparing Elementary Preservice Teachers to Facilitate Socioscientific Issues Instruction*, presented at the annual meeting of NARST: A worldwide organization for improving science teaching and learning through research, Baltimore, MD.

Kinskey, M. (2019, April). *Using Socioscientific Issues to Improve Elementary Preservice Teacher Self-Efficacy*, presented at the annual meeting of NARST: A worldwide organization for improving science teaching and learning through research, Baltimore, MD.

Zeidler, D.L., Ruzek, M., Kinskey, M., & Burns, K. (2019, January). *Immersive scenarios: Engaging children in authentic inquiry*, presented at the annual meeting of the Association for Science Teacher Education (ASTE), Savannah, GA.

Zeidler, D.L., Appelbaum, S., Mitchell, M., Wikman, K., Nkrumah, T., Willis, S., Kinskey, M., & Lee, E. (2018, March). *Socioscientific Issues: Teaching and Learning in an Evolving Context*, presented at the annual meeting of NARST: A worldwide organization for improving science teaching and learning through research, Atlanta, GA.

Kinskey, M. (2018, January). *Using Action Research to Improve an Elementary Preservice Teacher's Science Self-Efficacy*, presented at the annual meeting of the Association for Science Teacher Education (ASTE), Baltimore, MD.

Zeidler, D.L., Appelbaum, S., Mitchell, M., Wikman, K., Nkrumah, T., Willis, S., Kinskey, M., & Lee, E. (2018, January). *Teaching Socioscientific Issues in an Evolving Context*, presented at the annual meeting of the Association for Science Teacher Education (ASTE), Baltimore, MD.

Kinskey, M. (2017, October). *The Case of One Elementary Preservice Teacher as She Improves her Science Self-Efficacy*. Paper presented at the Southeastern Association for Science Teacher Education (SASTE), Pensacola Beach, FL.

### **Regional**

Kinskey, M. (2022, October). *Elementary teacher candidates' views of science after engaging with interdisciplinary science lessons*, presented at the annual meeting of the Southeastern Association for Science Teacher Education (SASTE), Gulf Shores, AL

Zeidler, D. L., Kinskey, M., & Ruzek, M. (2021, October). *Immersive Academics: A Wonder-Infused Pedagogy of Sociocultural Scientific Investigations*, presented at the annual meeting for the Southeastern Association for Science Teacher Education (SASTE), Safety Harbor, FL.

Kinskey, M. (2020, October). *Middle Grades Teachers' Engagement with Socioscientific Issues*, presented at the annual meeting of the Southeastern Association for Science Teacher Education (SASTE), Virtual Conference.

Kinskey, M. (2019, October). *Elementary Preservice Teachers Experiences Facilitating Socioscientific Issues*, presented at the annual meeting of the Southeastern Association for Science Teacher Education (SASTE), Carrollton, GA.

Kinskey, M. & Gutierrez, N. (2019, October). *Elementary Preservice Teacher Development and Science Instructional Practice: A Collaborative Effort*, presented at the annual meeting of the Southeastern Association for Science Teacher Education (SASTE), Carrollton, GA.

Kinskey, M. (2018, October). *Preparing Elementary Preservice Teachers to Facilitate Socioscientific Issues*, presented at the annual meeting of the Southeastern Association for Science Teacher Education (SASTE), Birmingham, AL.

### **State/Local**

Kerbs, M., Kinskey, M., & Myers, A. (2021). What I Know Now: A Panel of Junior Faculty Discuss the Journey from Graduate Student to Faculty Role. Panel held at the annual meeting for the Consortium of State Organizations for Texas Teacher Education (CSOTTE), San Marcos, TX.

Kinskey, M. (2018, November). *Putting Nature of Science into Practice: Engaging Elementary Preservice Teachers in Nature of Science*, presented at the annual meeting of the Florida Educational Research Association (FERA), St. Petersburg, FL.

### **KEYNOTE PRESENTATIONS**

Kinskey, M. (2022). Socioscientific Issues to Address STEM Educational Reform Efforts. Keynote Address during the Virtual Bi-Annual International Conference on STEM Education, hosted by Kibabii University, Kenya, Africa.

### **INVITED PRESENTATIONS**

Kinskey, M. (2022). STEM Trends and Research. Invited presentation during the Educational Research Methodologies workshop for visiting professors from Thailand, Center for International Education, College of Education, Sam Houston State University.



Kinskey, M. (2022). Past Awardees Seminar: Where my work is now, Invited presentation for the Association for Science Teacher Education's Awards Seminar, virtual.

Kinskey, M. (2021). Fireside Chat with the 2021 Awardees. Panel held at the Association for Science Teacher Education (ASTE) annual meeting, Virtual Conference.

Lee, S. Gamborg, L., Kinskey, M., & Green, K. (2020, January). Graduate Student Luncheon and Business Meeting. Presentation of leadership roles held at the Association for Science Teacher Education (ASTE) annual meeting, San Antonio, TX.

Lee, S. Gamborg, L., Kinskey, M., & Green, K. (2020, January). 3MT- Graduate Student Competition. Professional learning competition held at the Association for Science Teacher Education (ASTE) annual meeting, San Antonio, TX.

Kinskey, M. & Gutierrez, N. (2019). *Collaborating with Science Methods Instructors*. An invited presentation to supervisors in the College of Education, University of South Florida, Tampa, FL.

Kinskey, M. (2019). *Socioscientific Issues in the Elementary Classroom*. An invited presentation to graduate students enrolled in the Current Trends in Science Education course.

Kinskey, M. (2015). *Growth Mindsets in College and University Settings*. An invited presentation during a monthly webinar to deans and directors of educator preparation programs in Florida, Division of Educator Quality, Tallahassee, FL.

## **WORKSHOPS/PROFESSIONAL DEVELOPMENT**

Kinskey, M. & Mutende, R. (2022). STEM Pedagogies. On-going virtual Professional Learning Community facilitator to high school STEM teachers associated with Kibabii University, Kenya, Africa. Center for International Education, College of Education, Sam Houston State University.

Kinskey, M. (2022). Beating Burnout for Teachers and Teacher Educators. Invited presentation during the "Mini in May" workshop for the Association for Science Teacher Education (ASTE) Graduate Student Forum.

Kinskey, M. (2021). Finishing the Dissertation. Workshop held at the Association for Science Teacher Education (ASTE) annual meeting, Virtual Conference.

Lee, S., Gamborg, L., & Kinskey, M. (2020, January). Graduate Student Workshop: Preparing for the Workforce. Roundtable workshop held at the Association for Science Teacher Education (ASTE) annual meeting, San Antonio, TX.

Zeidler, D.L., Ruzek, M., & Kinskey, M. (2018). *Immersive Scenario: The Great Impact*. A workshop presented to elementary and high school faculty at Venice Elementary and Senior High School, Sarasota County, FL.

Kinskey, M. (2015). *Growth Mindset in Physical Education*. A workshop presented to physical education teachers during the Healthy Schools Summer Academy, Orlando, FL.

Willacy, D., Collado, R., & Kinskey, M. (2014). *Mathematical Practices in Career and Technical Education*. A workshop presented to CTE teachers throughout the state of Florida during the CTE conference, Orlando, FL.

Bauer, C., Selph, B., & Kinskey, M. (2014). *FSA Writing Professional Development*. A workshop presented to elementary teachers in Washington County, FL.

## **HONORS AND AWARDS**

- 2020 Manuscript Award V: Implications of Research for Educational Practice Graduate Student Level, Association for Science Teacher Education (ASTE)
- 2019 Sisters of the Academy (SOTA) Research Bootcamp Scholar (\$1,500 sponsorship), College of Education, University of South Florida
- 2019 Provost's Award for Outstanding Teaching by a Graduate Teaching Assistant (Honorable Mention), University of South Florida

## **PROFESSIONAL LEADERSHIP AND SERVICE**

### **Editorial Review Board**

- 2019 - present *Journal of Science Teacher Education*
- 2019 - 2021 *Science & Children*
- 2019 - 2020 *Florida Journal of Educational Research*

### **Ad Hoc Reviewer**

- 2020 *Curriculum and Teaching Dialogue*
- Association for Science Teacher Education (ASTE)**
- 2022 - 2024 Conference Planning Committee, 2024 International Conference
- 2022 - 2025 Awards Committee Member
- 2019 - 2021 Graduate Student Committee, NARST: A worldwide organization for improving science teaching and learning through research
- 2019 - 2020 Vice President, Graduate Student Forum for the Association for Science Teacher Education (ASTE)
- 2018 - 2020 Membership and Participation Committee Member
- 2017 - present Conference Proposal Reviewer: Curriculum, Pedagogy, and Assessment

### **NARST: A worldwide organization for improving science teaching and learning through research**

- 2024 - 2025 Chair, Membership and Participation Committee
- 2022 - 2024 Membership and Participation Committee Member
- 2019 - 2021 Graduate Student Committee Member

On-going Conference Proposal Reviewer  
Strand 3: Science Teaching — Primary School (Grades preK-6):  
Characteristics and Strategies; Strand 7: Pre-Service Science Teacher  
Education; Strand 9: Reflective Practice

**American Educational Research Association (AERA)**

On-going Conference Proposal Reviewer  
Science Teaching and Learning SIG  
Strand 7: Pre-Service Science Teacher Education  
Division K

**National Science Teachers Association (NSTA)**

2017 - 2020 Awards Committee Member

**Southeastern Association for Science Teacher Education (SASTE)**

2021 - 2022 President, Southeastern Association for Science Teacher Education

**UNIVERSITY, COLLEGE, AND DEPARTMENT SERVICE AND LEADERSHIP**

**Sam Houston State University**

**University Service**

2022- 2024 Mentor, First Gen Trailblazer Mentoring Program  
2022,2023 Scorer, SHSU Academic Writing Center

**College Service**

2022 - 2024 Assessment Committee  
2022 - 2024 College of Education Faculty Evaluation and Performance Committee  
2020– 2024 Bring ‘em Back Kats Committee  
2022– 2024 Learning by Scientific Design  
Spring, 2021 Search for the Director of Innovative Partnerships  
9/23/2021 Representative, Day on the Hill  
1/27/2022, Opportunity Fair Volunteer at Teacher Education Center  
9/2/2021  
8/31/2021 Opportunity Fair Volunteer at The Woodlands Center

**Department Service**

2021– 2023 Program Coordinator, Field 3 (Semester 1 YLR)  
2022– 2024 Chair, Social Committee  
2022 - 2024 DFES Rubric Revision Committee Member  
Fall, 2023 Search Committee Member for Clinical Assistant Professor of Science  
and Mathematics  
2020 - 2021 Curriculum Committee Member  
2021 - 2024 Pinner, SHSU Pinning Ceremony  
2021 - 2022 Representative, Saturday@Sam  
2021 - 2022 Scorer, Capstone Portfolio Reviewer

**DOCTORAL COMMITTEE SERVICE**

Ward, Candi, Ph.D.. (2023). Role: Committee Member. Sam Houston State University

Dougherty, Caitlin. (2023). Status: Doctoral Candidate. Role: Committee Member. Sam Houston State University.

### **ONGOING PROFESSIONAL MEMBERSHIPS**

NARST: *A global organization for improving science education through research*

Association for Science Teacher Education (ASTE)

American Educational Research Association (AERA)

Division K; Science Teaching and Learning SIG

Southeast region of the Association for Science Teacher Education (SASTE)

National Science Teachers Association (NSTA)