

# Paige K. Evans

## Curriculum Vitae

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University of Houston  
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## EDUCATION

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**Ed.D.**, Professional Leadership, University of Houston, Houston, TX, May 2011

Dissertation: “A Narrative Inquiry into Teaching Physics as Inquiry: An Examination of In-Service Exemplars”

Advisor: Dr. Cheryl Craig

**M.A.**, Science Education / Physics, University of Texas, Austin, TX, 2007

Thesis: “Heat vs. Heating: Inquiry Activities to Develop Teachers' and Students' Understanding of Thermal Interactions”

Advisors: Dr. Jill Marshall; Dr. Mary Walker

**B.S.**, Secondary Education / Science, Pennsylvania State University, University Park, PA, 1990

## PROFESSIONAL EXPERIENCE

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2021 –present    Co-Director of *teach*HOUSTON; Clinical Professor, University of Houston, *College of Natural Sciences and Mathematics, Department of Mathematics*, Houston, Texas

Provide vision for new programs to support student success and increase STEM teacher production. Collaborate with *teach*HOUSTON faculty, University Supervisors, and Research Graduate Assistants. Design and instruct innovative undergraduate courses focused on inquiry-based instruction. Provide professional development to preservice and in-service teachers to support research-based STEM teaching. Collaborate with leaders at local, state, and national levels to enrich STEM education and enhance STEM literacy for all. Research focuses on STEM education and preparation of secondary STEM teachers.

2019 –present    Clinical Professor; Associate Director of *teach*HOUSTON, University of Houston, *College of Natural Sciences and Mathematics, Department of Mathematics*, Houston, Texas

Provide vision for new programs to support student success and increase STEM teacher production. Supervise 4 University Supervisors and 4 Research Graduate Assistants. Research focuses on STEM education, preparation of Science and Math teachers for secondary education, and culturally responsive pedagogy.

2017 – 2019      Clinical Professor, University of Houston, Department of Mathematics, Houston, Texas

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Teaching, research, and service as a clinical professor. Serve as Director of Student Teaching. Research focuses on STEM education and preparation of Science and Math teachers for secondary education.

- 2008 – 2017      Clinical Associate Professor, University of Houston, Houston, Texas  
Develop *teachHOUSTON*, STEM teaching preparation program at UH. Develop courses for teacher certification, degree plans, and certification plans. Research focuses on preparation of Science and Math teachers for secondary education.
- 2007 – 2008      Science Department Chair, Cinco Ranch High School, Katy, Texas  
Responsible for hiring, scheduling, and budget for science department. Teach all levels of physics.
- 2000 – 2008      Physics Teacher and Team Leader, Cinco Ranch High School, Katy, Texas  
Responsible for curriculum planning within department and teaching all levels of physics.
- 1996 – 2000      Physics Team Leader, Clements High School, Sugar Land, Texas  
Responsible for curriculum planning within department and teaching all levels of physics.
- 1994 – 2000      Physics Teacher, Clements High School, Sugar Land, Texas  
Taught all levels of physics; coached high school soccer, track, and cross-country.
- 1993 – 1994      Biology Teacher, Eisenhower High School, Lawton, OK  
Taught biology 1 and biology 2; coached high school soccer.
- 1991 – 1993      Math and Science Teacher, Main Street School, Soledad, CA  
Taught 7<sup>th</sup> and 8<sup>th</sup> grade math and science.
- 1990 – 1991      Indianhead Primary School Teacher, Tongduchon, Korea  
Taught 5<sup>th</sup> and 6<sup>th</sup> grade math and science.
- 1990      Ota English School, Ota-Shi, Japan

### **TEACHING EXPERIENCE AND ACTIVITIES**

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**Clinical Professor**, Department of Mathematics, *teachHOUSTON* Program, University of Houston, Houston, TX

#### **Current Teaching Responsibilities**

EDUC 4314: Student Teaching Seminar 7 – 12 for Mathematics and Science

EDUC 4315: Student Teaching Internship 7 – 12 for Mathematics and Science

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## Previous Teaching Responsibilities

PHYS 4342: Science by Inquiry

CUIN 1102: Teaching Science and Math in Middle Schools

CUIN 4350: Multiple Teaching Strategies for Math and Science

CUIN 4397: Gifted and Talented Education for Mathematics and Science

CUIN 1101: Teaching Science and Math in Elementary Schools

CUIN 3351: Classroom Interactions for Science and Math

EDUC 4000: Pre-student Teaching

## Courses Authored

CUIN 4397: Gifted and Talented Education for Math and Science, Spring 2014

PHYS 4342: Science as Inquiry, Summer 2013

## Courses Developed

CUIN 1102: Step 2 – Teaching Science & Math

CUIN 3351: Classroom Interactions

CUIN 4350: Multiple Teaching Strategies

EDUC 4314: Student Teaching Seminar

EDUC 4315: Student Teaching Internship

## Course Revisions

Oversee revision of courses for new strand of *teachHOUSTON*, ACP for STEM at UH (CUIN 2300; 3350, 3351, 4350)

## HONORS AND AWARDS

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1. University of Houston Group Teaching Excellence Award, 2024
2. 2024 Invited Attendee, 2024 White House Summit on STEMM Equity and Excellence.
3. American Educational Research Association Narrative Research Outstanding Publication Award, April 2024
4. Insight into Diversity Award for Inspiring Programs, *teachHOUSTON*, 2023
5. University of Houston Distinguished Leadership in Teaching Excellence Award, 2022
6. University of Houston 50 in 5 Faculty Award, 2019, 2020, 2021; 2022; 2023
7. 2022 Outstanding Master Teacher Award for Excellence in Teaching, UTeach STEM Educators Association
8. 2022 NSF STEM for all Video Showcase, Access, Inclusion, and Equity Presenters' Choice Award, *teachHOUSTON: The Journey of a STEM Teacher*
9. 2022 NSF STEM for all Video Showcase, Access, Inclusion, and Equity Public Choice Award, *teachHOUSTON: The Journey of a STEM Teacher*
10. 2021 NSF STEM for all Video Showcase, COVID, Equity, & Social Justice Public Choice Award: *teachHOUSTON STEM Interactive: Making STEM Accessible Worldwide*
11. American Physical Society Award for Improving Undergraduate Physics Education, 2019 – 2021

12. American Educational Research Association Narrative Research Outstanding Publication Award, April 2019
13. American Physical Society Physics Teacher Education Coalition Fellow (PhysTEC), 2017 – 2019
14. University of Houston, College of Natural Sciences and Mathematics John C. Butler Excellence in Teaching Award, 2015
15. University of Houston Group Teaching Excellence Award, Spring 2014
16. University of Houston Teaching Excellence Award, Spring 2013
17. Dr. Richard L. Hooker Scholarship – Educational Leadership, August 2010 – May 2011
18. The Larry and Phyllis Hughes Award for Leadership Studies Endowment-Educational Leadership, August 2010 – May 2011

## GRANT ACTIVITIES

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### Current Funding

1. National Science Foundation, DUE #2345134, *PI*, Developing STEM Teacher Leaders in Culturally Responsive Classroom Management, Engineering Design, and Induction (STEM LEAD), \$2,994,298 (5/2024 – 4/2029). Noteworthy contribution: Develops secondary STEM teacher leaders in areas of culturally responsive classroom management and induction.
2. Department of Education, *Co-PI*, Developing Modeling and Simulation Based Programs at the University of Houston, \$1,074,876 (1/2024 – 12/2026). Noteworthy contribution: Leverage the funding of the Modeling and Simulation Program to develop a minor in IE undergraduate program, a new track for the IE graduate program, and a certificate for non-IE graduate students in Systems Modeling and Simulation.
3. Houston Endowment (subaward from the University of Texas), *PI*, Project Support for the UTeach Texas Certification Program to Develop an Expansion Plan for the Houston Region, \$102,254 (11/1/2023 – 8/31-2024). Noteworthy contribution: : Implement an effective and scalable model for an accelerated, internship pathway to STEM teaching for degree-holders and career-changers.
4. Bill & Melinda Gates Foundation (subaward from the University of Texas), *PI*, UTeach for Texas, \$743,312 (9/1/2023 – 8/31/2026). Noteworthy contribution: Implement an effective and scalable model for an accelerated, residency-based pathway to STEM teaching for degree-holders and career-changers.
5. National Science Foundation, DUE #2318178, *Senior Personnel*, HSI Implementation and Evaluation Project: FIELDGEO – Field Investigations and Education Leading to Degrees in Geoscience, \$1,000,000 (8/1/2023 – 7/31/2027). Noteworthy contribution: Provides preservice teachers with geology field trip experiences.
6. National Science Foundation, DUE #2220683, *Co-PI*, Industries of the Future Research Experience for Preservice Teachers (RE-PST),” \$500,000 (1/1/2023 – 12/21/2025). Noteworthy contribution: Provides preservice teachers with technology research opportunities.

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7. National Science Foundation DUE # 2141674, *Co-PI*, “3D Printing Dissected for Engineering design and Manufacturing Education of Preservice Teachers,” \$299,998 (10/1/2022 – 9/30/2025). Noteworthy Contribution: Provides preservice teachers with a technology education courses that infuses engineering design.
8. National Science Foundation DUE # 2153754, *PI*, “Transforming STEM Professionals into Culturally Responsive STEM Teachers,” \$1,199,995 (4/1/2022 – 3/31/2027). Noteworthy contribution: Provides career changers with secondary STEM teacher certification with scholarship support; provides a STEM Learning Community for participants.
9. National Science Foundation DUE # 1950036, *PI*, “University of Houston – Advancing Cultural and Computational Engagement in STEM Scholars (UH-ACCESS),” \$1,439,772 (4/1/20 – 9/01/26). Noteworthy contribution: Provides \$720,000 in scholarship support for NSM and COT majors and a Teacher Interest Group focused on social justice in education.
10. National Science Foundation, DUE # 1759454, *PI*, “Enhancing STEM Teacher Leadership through Equity and Advocacy Development (LEAD Houston),” \$2,825,430 (3/1/18 – 2/28/25). Noteworthy contribution: Provides 30 in-service teachers with a funded master’s degree in STEM education inclusive of Culturally Responsive Pedagogy and salary supplements for professional development.
11. National Math & Science Initiative, *PI*, “Support for *teachHOUSTON*,” University of Houston – Leadership Through Equity and Advocacy Development, \$173,512 (2/1/19 – 6/30/25). Noteworthy contribution: Provides new teachers with induction support.

### Past Funding

1. National Science Foundation DUE Award #1644191, *Co-PI*, “STEM Scholarship Program with Promotion and Retention of STEM Education through Networking Team (PARENT) Support,” \$1,000,000 (1/1/17 – 12/31/24). Noteworthy contribution: Provides NSM majors with scholarship support.
2. Department of Education, *PI*, “Expanding and Strengthening the STEM Teacher Workforce Through *teachHOUSTON*,” \$3,252,423 (10/1/18 – 9/30/23). Noteworthy contribution: Provides STEM teacher certification track for undergraduates and post-bacs with scholarship support; replicates new certification track to other UTeach replication sites.
3. National Science Foundation DUE # 1557309, *PI*, “Learning through Informal and Formal Experiences (UH-LIFE), \$1,734,895 (6/15/16 – 9/30/22). Noteworthy contribution: Provides over 1.2 million dollars to NSM majors for scholarship and internship support and integrated culturally responsive pedagogy into *teachHOUSTON* courses.
4. University of Houston Grant, *PI*, “University of Houston - Raising Equitable Access for Children in Houston (*UH-REACH*),” \$40,000 (1/1/20 – 5/31/22). Noteworthy contribution: Provides 30 STEM teachers with professional development in research-based teaching practices including culturally responsive pedagogy.
5. UH GEAR Grant, *Co-PI*, “MonsterMe! Interactive Software to Teach about the Mathematics and Biology of Morphological Scaling,” \$37,000 (6/1/19 – 8/31/20)

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6. National Science Foundation DUE Award #1557273, *Co-PI*, “Collaborative Research: Understanding Robert Noyce Teacher Scholarship Outcomes in Texas,” \$447,763 (07/01/16-06/30/20)
7. National Science Foundation DUE Award #1240083, *Co-PI*, “Recruitment, Preparation and Retention of STEM Students as High School Teachers,” \$ 985,000 (09/01/12 - 08/31/18)
8. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$50,000, (2/1/17 – 1/31/18)
9. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$50,000, (2/1/16 – 1/31/18)
10. University of Houston, *PI*, “MOOC: Preparing Students for the AP Physics Exam,” \$15,000 (10/1/15 – 9/30/16)
11. Texas Higher Education Coordinating Board (THECB), Senior Personnel, “Teacher Quality Grants, Science Teaching Equity Project – Grades 4-12,” \$1,098,000 (2/1/15 – 4/1/16)
12. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$50,000, (2/1/16 – 1/31/17)
13. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$80,000, (2/1/15 – 1/31/16)
14. University of Houston, *PI*, “MOOC: Preparing Students for the AP Physics Exam,” \$33,000 (6/1/14 – 5/31/15)
15. Texas Higher Education Coordinating Board (THECB), *Senior Personnel*, “THECB STEM Grant, STEM Center for Teacher Professional Learning,” \$530,000 (5/1/15 – 4/30/15)
16. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$80,000, (2/1/14 – 1/31/15)
17. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$80,000, (2/1/13 – 1/31/14)
18. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$80,000, (2/1/12 – 1/31/13)
19. The Harris Foundation, *PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$80,000, (2/1/11 – 1/31/12)
20. The Harris Foundation, *Co-PI*, “ExxonMobil Bernard Harris Summer Science Camp,” \$80,000, (2/1/10 – 1/31/11)

### ARTICLES UNDER REVIEW

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1. Craig, C.J., **Evans, P.K.**, Stokes, D., Curtis, G., Manuel, M. & Norton Silk, M. (in review) Chain Mentoring among STEM Teacher Leaders. *Journal for STEM Education Research*.
2. Li, J., Craig, C., **Evans, P.**, Stokes, D. & Verma, R. (in review). The value of STEM Scholarship Grants to Undergraduate and Graduate Students Intending to Study the STEM Disciplines and Pursue STEM Careers. *Journal of Diversity in Higher Education*.

3. Li, J., **Evans, P.**, Craig, C., Stokes, D., Verma, R., & Zhu, G. (in review). The influence of professors on undergraduate and graduate students' choosing STEM careers. *International Journal of Science Education* (Web of Science Journal). Impact Factor: 1.327
4. Craig, C., **Evans, P.**, Li, Jing & Zhu, G. (in review). The Gordian knot of international teacher education: Cases from the United States and China. *Teaching and Teacher Education* (Web of Science Journal). Impact factor: 2.473

## **PUBLICATIONS**

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1. McIntush, K.E., Mateer, R., & **Evans, P.** (2024) (in press). Secondary Urban STEM Teacher Candidates' Perceptions of a Culturally Responsive Classroom Management Course: A Qualitative Analysis. *New Directions in Teaching and Learning Journal*, Special Edition.
2. Craig, C., **Evans, P.**, Stokes, D., McAlister-Shields, L. & Curtis G. (2023). Multi-layered mentoring: Exemplars from a U.S. STEM teacher education program. *Teachers and Teaching: Theory and Practice*. DOI: 10.1080/13540602.2023.2236957.
3. **Evans, P. K.**, (2022). She Even Gave Me Her Liver: A Story Given Back. In Craig, C., McDonald, D., & Curtis, G. (Eds), *Learning, Leading, and the Best-Loved Self in Teaching and Teacher Education*. Palgrave Macmillan.
4. **Evans, P.**, Craig, C., & Manuel, M. (2021). Generative mentorship: Exemplars from a STEM teacher preparation program. In Mena, J. & Clarke, T. (Eds), *Teacher induction and mentoring: Supporting beginning teachers entering the profession*. Brill Publishing.
5. Craig, C., **Evans, P.**, Stokes D. (2021). *Preparing teachers to teach the STEM disciplines in America's urban schools*. *Advances of research in teaching*. UK: Emerald Publications.
6. Craig, C., **Evans, P.**, Stokes D. (2021). Overview of the book. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching*. UK: Emerald Publications.
7. **Evans, P.**, Craig, C. J., Stokes, D. & Morgan, J. (2021). Overview of the teachHOUSTON program. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching*. UK: Emerald Publications.
8. Stokes, D. & **Evans, P.** (2021). Collaboration between a physics professor and a physics teacher/teacher educator. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching*. UK: Emerald Publications.
9. **Evans, P.**, Stokes, D., & Craig, C.J. (2021). A narrative inquiry into teaching physics as inquiry: One teacher's journey. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching*. UK: Emerald Publications.
10. Stokes, D. & **Evans, P.** (2021). Enhancing preservice teacher preparation through formal and informal learning experiences. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching*. UK: Emerald Publications.
11. **Evans, P.** McAlister-Shields, L., Manuel, M., Craig, C. J., Stokes, D. & Nguyen, H. (2021) Examining the impact for informal experiences on preservice teacher's self-efficacy. In

*Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.

12. Craig, C. J., Verna, R., Stokes, D., **Evans, P.** & Abrol, B. (2021). Understanding the influence of parents on students entering the STEM disciplines and choosing STEM careers. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.
13. Craig, C. J., **Evans, P.**, Verma, R., Stokes, D. & Li, Jing (2021). Understanding the influence of “unsung teachers” on students pursuing STEM studies and teaching in STEM subject areas. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.
14. Li, J., **Evans, P.**, Craig, C., Stokes, D., Verma, R., & Zhu, G. (2021). Understanding the influence of professors on students' majoring in the STEM disciplines and entering STEM careers. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.
15. Li, J, Gale, T., Craig, C. J., Norton, M., **Evans, P.**, Stokes, D. & Verma, R. (2021). Valuing STEM scholarship grants that fuel STEM teaching and learning. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.
16. **Evans, P.**, Manuel, M., Nguyen, H., Stokes, D., Craig, C. J., Han, X., & Morgan J. (2021). Where are the teachHOUSTON preservice candidates now? Are they still in the urban teacher force? In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.
17. Craig, C., **Evans, P.**, Stokes D. (2021). Final words. In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools. Advances of research in teaching.* UK: Emerald Publications.
18. Manuel, M., **Evans, P.**, McAlister Shields, L. (2020). *teachHOUSTON* alumni: Agents of change in secondary STEM education. In C. J. Craig, L. B. Turchi & D. McDonald (Eds.), *Cross-Disciplinary, Cross-Institutional Collaboration in Teacher Education.* Palgrave Macmillan.
19. Stokes, D. & **Evans, P.** (2020). Learning and leading as collaborative physics education/physics partners: Building a physics teacher education program. In C. J. Craig, L. B. Turchi & D. McDonald (Eds.), *Cross-Disciplinary, Cross-Institutional Collaboration in Teacher Education.* Palgrave Macmillan.
20. **Evans, P.**, Dillard, K., Rodriguez-Wilhelm, D., & McAlister-Shields, L. (2019). Like-minded people: University-based interdisciplinary collaborations in STEM teacher preparation programs. *Journal for STEM Education Research*, 2(1), 35-54.
21. Craig, C., **Evans, P.** & Li, Jing (2019). The Gordian knot of teacher induction: When context endangers teacher preparation and the desire to teach. In D. McDonald (Ed.). *Teacher induction in secondary schools in urban America.* Charlotte, NC: Information publishing.

22. Craig, C., **Evans, P.**, Verma, R., Stokes, D. & Li, Jing. (2019). A tribute to “unsung teachers”: Teachers’ influences on students enrolling in STEM programs with the intent of entering STEM careers. *European Journal of Teacher Education*, (42), 335-358.
23. Craig, C., You, J., Zou, Y., Verma, R., Stokes, D., **Evans, P.** & Curtis, G. (2018). The embodied nature of narrative knowledge: A cross-study analysis of embodied knowledge in teaching, learning, and life. *Teaching and Teacher Education*, (71), 329-240. DOI: 10.1016/j.tate.2018.01.014. Impact Factor: 2.473
24. Craig, C., Verma, R., Stokes, D., **Evans, P.** & Abrol, B. (2018). The influence of parents on undergraduate and graduate students’ entering the STEM disciplines and STEM careers. *International Journal of Science Education*, 40(6), 621-643. DOI:10.1080/09500693.2018.1431853. Impact Factor: 1.327.
25. Stokes, D., **Evans, P.** and Craig, C., (2017). Developing STEM Teachers through both Informal and Formal Learning Experiences, Search and Research: *Teacher Education for Contemporary Context*. Editors Juanjo Mena, Ana Garcia Valcarcel, Francisco Garcia-Penalvo and Marta Martin del Pozo, Publisher Ediciones Universidad de Salamanca.
26. Craig, C., **Evans, P.**, Stokes, D. & Bott, S. (2017). Attracting, preparing and retaining teachers in high need areas: A science as inquiry model of teacher education. In M. Peters, B. Cowie & I. Mentor (Eds.) *A companion to research in teacher education*. New York, NY: Springer Publishing. (Handbook Chapter)
27. Stokes, D., **Evans, P.**, Craig, C., & Bott, S. (2016). Recruitment, Retention and Preparation of Secondary Physics and Chemistry Teachers. *American Physical Society Forum on Education*.

### CONFERENCE PROCEEDINGS

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1. Zhu, W., Greer, T., **Evans, P.**, Mateer, R., Balan, V., Fan, L., Song, G., & Benhaddou, D. *First Year Experience from Industries of the Future Research Experience for Preservice Teacher in STEM Settings*, American Society of Engineering Education Annual Conference 2024, Portland, OR, June 2024
2. Zhu, Weihang & Manuel, Mariam & **Evans, Paige** & Weber, Peter. (2023). Dissecting 3D Printing for Engineering Design Process Education of High School Preservice Teachers. America society of Engineering Education Annual Conference, Baltimore, MD. 10.18260/1-2--43180.
3. **Evans, P.**, Mateer, R. (2023 January). *Exploring Mentoring Relationships that Foster Culturally Responsive Pedagogy in STEM Teaching*. Hawaii International Conference on Education, Honolulu, HI.
4. Mateer, R., McIntush, K., **Evans, P.** (2023 January). *Culturally Responsive Classroom Management: Impacting Pre-service Teachers Experiences in the STEM Classroom through Culturally Responsive Classroom Management Practices*. Hawaii International Conference on Education, Honolulu, HI.
5. **Evans, P.**, Manuel, M., Craig, C. (2022 April). *Impacting Preservice STEM Teachers’ Preparation and Motivation to Teach through Virtual Informal Learning Experiences*

- [Symposium]. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.
6. **Evans, P.**, Manuel, M., Craig, C., Nguyen, H., Hettiarachchi, M., McAlister-Shields, L. (2022 April). Impact of Virtual Informal Learning Experiences on Preservice STEM Teachers' Self-Efficacy in Online Teaching. Paper presented at the American Educational Research Association Annual Meeting, San Diego, CA.
  7. Craig, C., **Evans, P.**, Stokes, D., McAlister Shields, L., Curtis, G., Manuel, M. (2021, April). *Mentoring in the midst of teachHOUSTON: The Pandemic Chapter* [Symposium]. Paper presented at the American Educational Research Association Annual Meeting, Online.
  8. Craig, C., et.al., (2021, April). *Collective and Collaborative Understanding of Leadership within a Knowledge Community* [Roundtable Session]. Paper presented at the American Educational Research Association Annual Meeting, Online.
  9. Manuel, M., & Greer, R. P., & Henderson, J. A., & Snodgrass Rangel, V., **Evans, P.** (2020, June), *Pre-service teachers' reflections on integrating the engineering design process and culturally responsive instruction into science instruction*. Paper presented at 2020 ASEE Annual Conference & Exposition, Montreal, Canada (Paper withdrawn).
  10. **Evans, P. K.**, McAlister Shields, L., Manuel, M., Craig, C. J. & Nguyen, H. T. (2020, Apr 17 - 21) *Enhancing STEM Preservice Teacher Preparation Through Informal Learning Experiences: A Narrative Inquiry* [Roundtable Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/t2vk5gf> (Conference Canceled)
  11. **Evans, P. K.**, Rodriguez-Wilhelm, D. M., Dillard, K. & McAlister Shields, L. (2020, Apr 17 - 21) *The Influence of Informal Learning Environments and Experiences on Preservice Secondary STEM Teachers* [Roundtable Session]. AERA Annual Meeting San Francisco, CA <http://tinyurl.com/qsayy6e> (Conference Canceled)
  12. **Evans, P.**, McAlister-Shields, L. & Manuel, M. (2020 January), Lessons learned while infusing culturally responsive pedagogy in a STEM teacher education preparation program. *Hawaii International Conference on Education*, Honolulu, Hawaii.
  13. Craig, C., **Evans, P.**, Stokes, D., Li, J., Zhu, G. & Curtis, G. (2019). Advancing STEM education: Recent *teachHOUSTON* research. *The 19th Biennial Conference of International Study Association on Teachers and Teaching (ISATT)*, Sibiu, Romania.
  14. Craig, C., **Evans, P.**, Stokes, D., McAlister-Shields, L., & G. Curtis. (2019 April). Mentoring in the midst of *teachHOUSTON*: Exemplars from a National Science Foundation-supported STEM teacher education program. *Proceedings of the American Educational Research Association* (online). Toronto, Canada
  15. McAlister-Shield, L., **Evans, P.**, Manuel, M., Stokes, D., & Craig, C. (2019 January). Infusing culturally responsive pedagogy across a secondary STEM education preparation program. *Hawaii International Conference on Education*, Honolulu, HI.
  16. Stokes, D., **Evans, P.**, Manuel, M. McAlister-Shield, L., & Craig, C. (2019 January). Effective STEM education in economically disadvantaged schools: Using inquiry-based pedagogies in STEM teacher certification courses, *Hawaii International Conference on Education*, Honolulu, HI.

17. **Evans, P.**, Dillard, K., Rodriguez-Wilhelm, D. & McAlister-Shields, L. (2018, April). Like-Minded People: University-Based Interdisciplinary Collaborations in STEM Teacher Preparation Programs, *Paper presented at the American Educational Research Association Annual Meeting*, New York, NY.
18. Craig, C., Stokes, D., & **Evans, P.** (2017). Developing STEM Teachers through informal and formal learning experiences. Proceedings of the 18th Biennial Conference on Teachers and Teaching. Salamanca, Spain: University of Salamanca.

## INVITED TALKS

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1. **Evans, P.** (2025 April). Strengthening Physics Education: Preparing, Supporting, and Retaining Outstanding Teachers. **Plenary speaker** for the Texas Section of the American Association of Physics Teachers, American Physics Society, and the Society of Physics Students, Houston, TX (25 minutes)
2. **Evans, P.** (2025 January). *Secondary STEM Residencies*, UTeach Institute's Secondary Teacher Residency Advisory Group funded by the Gates Foundation, Online (20 minutes)
3. Campbell M., **Evans, P.**, & Rushton, G. (2024 December). Noyce PI Peer Webinar Track 3, American Association for the Advancement of Science and National Science Foundation, Online (75 minutes)
4. **Evans, P.** (2023 October). *teachHOUSTON ACP for STEM at UH Program*, Houston Excellence in Advancing Readied Teachers Educator Preparation Program Leadership Convening hosted by US Prep, Houston Endowment, Houston, TX (20 minutes).
5. **Evans, P.** & Campos, A. (2023 October). *teachHOUSTON Secondary STEM Teacher Preparation*, Texas Residency Webinar Series, US Prep, Online (60 minutes).
6. **Evans, P.** (2023 May). *UTeach MTPD: How to Write and Get an NSF Noyce Grant*, Online (60 minutes)
7. **Evans, P.** (2023 March). *UTeach: Innovations in STEM Teacher Preparation Programs. 2023 Summit: Recruiting and Preparing More STEM Teachers: University-Based Solutions*, Austin, TX (75 minutes)
8. **Evans, P.** (2022 August). *UTeach MTPD: ACPs that Rock! How to increase STEM teacher production and create an ACT – UTeach Style*, Online (60 minutes)
9. **Evans, P.** (2022 March/April). *Panel Introduction and Discussant, Fostering Student Success through Pandemic Challenges*, Faculty Senate Conference, University of Houston
10. **Evans, P.**, Ekeoba, J., & Mateer, R. (2022 February). *Designing Curriculum for Pre-Service Teachers and Teacher Leaders*, AAAS ARISE Webinar (90 minutes)
11. **Evans, P.** (2021 August). *Strategies for Retention in teachHOUSTON Noyce Programs*, NSF AAAS Noyce Town Hall & Discussion with NSF Program Officers (5 minutes)
12. **Evans, P.** (2021 April). *The UTeach Story: An Invited Session on the Nationally Replicated UTeach Program*, teachHOUSTON, Texas American Association of Physics Teachers and the American Physical Society Meeting (12 minutes)

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13. **Evans, P.**, Farenga, S., Philipose, S., & Vestal S. (2020 July). *Lessons Learned Panel Tracks 1-3 & Capacity Building*, NSF AAAS Noyce PI Summer Block Party (65 minutes)
14. **Evans, P.** & Case, S. (2020 June). *Here's to You: Toasts of UTeach*, UTeach STEM Educators Virtual Summit, online (75 minutes)
15. **Evans, P.**, Manuel, M., McAlister-Shields, L., Ekeoba, J., Mateer, R. & Beeman-Cadwallader, N. (2020 June). *Addressing Issues of Equity, Diversity, and Inclusion in Remote Learning*, UTeach STEM Educators Virtual Summit, online (75 minutes)
16. Horn, C. & **Evans, P.** (2019 July). *Collaborative Research: Understanding Robert Noyce Teacher Scholarship Outcomes in Texas*, PERSIST Conference, Washington, DC (30 minutes)
17. **Evans, P.** & McAlister-Shields, L. (2019 October). *Preparing Effective STEM Teachers*, Texas A & M University, College Station, TX (1 hour)
18. **Evans, P.** (2019 July). *UH-LIFE and LEAD Houston*, Annual Noyce Summit, Washington DC (15 minutes)
19. **Evans, P.** & Case S. (2019 May). *2019 UTeach Co-Director Meeting*, UTeach National Conference, Austin, TX (2 hours)
20. **Evans, P.** (2019 April). *teachHOUSTON Program*, Dean's Advisory Board, College of Natural Sciences & Mathematics, University of Houston, Houston, TX (1 hour).
21. **Evans, P.** (2019 January). *STEM Teacher Preparation at the University of Houston: teachHOUSTON*, American Association of Physics Teachers Winter Meeting, Houston, TX (30 minutes)
22. **Evans, P.** (2018 October). *Integrating Inquiry-Based Learning in High-Need STEM Classrooms*, 2018 Midwest Annual Robert Noyce Conference (1.5 hours).
23. **Evans, P.** (2018, May). *UTeach STEM Educators Association: Excellence in STEM Education and Advocacy for STEM Teacher Preparation*. UTeach National Conference, Austin, TX (1 hour).
24. **Evans, P.** (2018 March). *Incorporating Innovative Teaching Strategies into Your Math Classroom: Culturally Responsive Teaching*, Second Annual Math Symposium: Engagement and Best Practices in Mathematics, Lone Star College, CyFair, Houston, TX (45 minutes)
25. **Evans, P.** (2017 May). *University Implementation Panel: Lessons Learned*, UTeach National Conference, Austin, TX (1 hour).
26. **Evans, P.** (2017 May). *Project-Based Instruction Course Retreat*, UTeach National Conference, Austin, TX (1 hour).
27. **Evans, P.** (2017 May). *Master Teacher Special Interest Group*, UTeach National Conference, Austin, TX (1 hour).
28. **Evans, P.** (2016 October). *2016 UTeach Expansion Site Research*, National Math + Science Initiative UTeach Co-Director Summit, Dallas, TX (30 minutes).

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29. **Evans, P.** & Segura P. (2016 May). *Working through Common Issues in Step 1 and Step 2*. UTeach Institute National Conference, Austin, TX (1 hour).
30. **Evans, P.** & Vu, T. (2016, February). *Teaming up for STEM*. ExxonMobil Bernard Harris Summer Science National Forum, Houston, TX (1 hour).
31. **Evans, P.** (2016, January). *Apprentice Teaching to Induction*. UTeach Master Teacher Retreat, Austin, TX (1 hour).
32. **Evans, P.** (2015, October). TExES Composite Science Test Review, Houston, TX (1 hour).
33. **Evans, P.** (2014, June). *Incorporating Project Based Learning into the Camp Curriculum*. ExxonMobil Bernard Harris Summer Science Camp Training, Houston TX (1.5 hours).
34. **Evans, P.** (2014, February). *Incorporating Research and Development Teams in STEM Education*. ExxonMobil Bernard Harris Summer Science National Forum, Houston, TX (1.25 hours).
35. **Evans, P.** (2013, June). *How to Incorporate Engineering Design in Lesson Plans*. ExxonMobil Bernard Harris Summer Science Camp Training, Houston TX (1.5 hours).
36. **Evans, P.** (2013, May). *Project Based Instruction Course Retreat*. UTeach Institute National Conference, Austin, TX (2 hours).
37. **Evans, P.** & Segura, P. (2013, April). *Classroom Interactions National Training for UTeach Replication Sites*, Houston, TX (1.5 days).
38. **Evans, P.** (2013, March). *Launching Students into STEM Exploration*. ExxonMobil Bernard Harris Summer Science National Forum, Houston, TX (1 hour).
39. **Evans, P.** (2012, November). *MET Extension and UTeach Observations*. Bill and Melinda Gates Foundation, Chicago, IL (20 minutes).
40. **Evans, P.** (2012, August). *How to Set up your Classroom and Prepare for the First Days of School*. University of Houston Induction Event, Houston, TX (2 hours).
41. **Evans, P.** (2012, June). *How to Detect and Prevent Bullying*. ExxonMobil Bernard Harris Summer Science Camp Training, Houston TX (45 minutes).
42. **Evans, P.** (2012, February). *The Educational Uses of Digital Storytelling and EMBHSSC Applications*. The Harris Foundation National Conference, Houston, TX (1.25 hours).
43. **Evans, P.** (2011, May). *Classroom Interactions: Collaboration for Best Practice Course Retreat*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX (2 hours).

### SELECTED RESEARCH CONFERENCE PRESENTATIONS

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1. **Evans, P.** McIntush, K. E. Garza, K. A Campos, A. (2025 July). *Urban STEM Mentors and Mentee Development: Exploring Self-Efficacy through Storied Experiences in Mentoring and Induction*. Paper accepted at the International Study Association on Teachers and Teaching, Glasgow, Scotland.

2. Oyoo, S., et al. (2025 July). Enhancing the quality of STEM education to make it ecologically sound, economically viable and socially just. Paper accepted at the International Study Association on Teachers and Teaching, Glasgow, Scotland.
3. **Evans, P.**, Stokes, D., McIntush, K., & Garza, K. (2025 April). Enhancing STEM Teacher Preparation through Knowledge Communities. Paper accepted to the American Educational Research Association, Denver, CO.
4. Snodgrass Rangel, V., McIntush, K., & **Evans P.** (2025 April). A Descriptive Analysis of the Motivations and Experiences of Second-Career Science and Math Preservice Teacher. Paper accepted to the American Educational Research Association, Denver, CO.
5. McIntush, K.E., Rangel, V., & **Evans, P.** (2025 April). *STEM Career Changers Classroom Management Development after a Culturally Responsive Classroom Management Course: A Qualitative Analysis*. Paper accepted to the American Educational Research Association, Denver, CO.
6. **Evans, P.** (2024 July). Transforming STEM Professionals into Culturally Responsive STEM Teachers (**STEMPro**). 2024 Noyce Summit, Washington, D.C.
7. **Evans, P.** (2024 July). *University of Houston: Advancing Cultural and Computational Engagement in STEM Scholars (UH-ACCESS)*, 2024 Noyce Summit, Washington, D.C.
8. **Evans, P.** & Robbins, A. (2024 July). *University of Houston – Leadership through Equity and Advocacy Development (UH-LEAD)*, 2024 Noyce Summit, Washington, D.C.
9. Zhu, W., Manuel, M., **Evans, P.**, & Weber, P. *3D Printer Dissected for the Engineering Design Technology for Preservice Teachers*, poster, IUSE Summit 2024, Washington DC, June 2024
10. Culpepper, C. & **Evans, P.**, Moffett, M. Allen, K. (2024 May). *UTeach for Texas: Pathways to Teaching for Degree Holders*. UTeach STEM Educators Conference, Austin, TX.
11. Evans, P., Campos, A., Mateer, R., & McIntush, K. (2024 May). *Implementing a Yearlong Residency Model in Your Secondary STEM Teacher Preparation Program*. UTeach STEM Educators Conference, Austin, TX.
12. Mateer, R., McIntush, K., **Evans, P.**, & Campos, A. (2024 May). *Classroom Management Through the Lens of Current Culture: An Innovative Approach to Management*. UTeach STEM Educators Conference, Austin, TX.
13. McIntush, K.E., **Evans, P.K.**, & Mateer, R. (2024 April). *Culturally Responsive Classroom Management: Improving Outcomes for Diverse Students*. Paper accepted to the American Education Research Association, Philadelphia, PA.
14. **Evans, P.K.**, McIntush, K.E., & Gara, K.A. (2024 April). *Enhancing STEM Teacher Preparation through Knowledge Communities*. Invisible College, American Education Research Association, Philadelphia, PA.
15. Mateer, R., McIntush, K.E., Evans, P., & Campos, A. (2024 February). *Culturally Responsive Classroom Management: Finish the Year Strong!* Workshop presented at the Western Regional Noyce Conference, Portland, OR.

16. McIntush, K.E., Campos, A. & **Evans, P.K.** (2023). *Generating the STEM teacher pipeline to high need districts through teacher residencies: The need for a mindset shift in principals as instructional leaders*. Paper presented at the University Council for Educational Administration Annual Convention, Minneapolis, MN.
17. **Evans, P.** & Campos, A. (2023 June). *Supporting Early Career STEM Teachers through an Enhanced Induction and Mentoring Model*. 2023 Noyce Summit, Washington, D.C.
18. **Evans, P.** (2023 June). *Transforming STEM Professionals into Culturally Responsive STEM Teachers (STEMPro)*. 2023 Noyce Summit, Washington, D.C.
19. **Evans, P.** (2023 June). *University of Houston: Advancing Cultural and Computational Engagement in STEM Scholars (UH-ACCESS)*, 2023 Noyce Summit, Washington, D.C.
20. **Evans, P.** & Robbins, A. (2023 June). *University of Houston – Leadership through Equity and Advocacy Development (UH-LEAD)*, 2023 Noyce Summit, Washington, D.C.
21. **Evans, P.** & Campos, A. (2023 June). *Mentoring and Induction: Supporting Early Career STEM Teachers through an Enhanced Induction Model*, UTeach STEM Educators Conference, Austin, TX.
22. Culpepper, C. & **Evans, P.** (2023 June). *UTeach for Texas: Accelerated Pathways to Certification for STEM Degree-Holders*, UTeach STEM Educators Conference, Austin, TX.
23. Evans, P.K. & **McIntush, K. E.** (2023 June) *Vetted teacher residency: A qualitative analysis of an authentic year-long clinical experience for STEM secondary pre-service teachers in urban classrooms*. Proposal accepted at the International Study Association on Teaching and Teaching, Bare, Italy.
24. **McIntush, K. E.**, Evans, P.K. & Mateer, R. (2023 June). *Examining urban STEM teacher candidates' culturally responsive classroom management efficacy. A mixed-methods analysis*. Proposal accepted at the International Study Association on Teaching and Teaching, Bare, Italy.
25. Mateer, R., McIntush, K. E., & **Evans, P.** (2023 February). *Supporting inquiry in the secondary STEM classroom: A culturally responsive and community-based approach to classroom management*. Workshop presented at the Western Regional Noyce Network Conference, Sacramento, CA.
26. Mateer, R., McIntush, K.E., & **Evans, P.** (2023 February). *Pre-Service STEM teachers' perceptions of cultural responsiveness: A qualitative analysis of a culturally responsive classroom management course*. Research paper presented at the Southwest Educational Research Association Conference, San Antonio, TX
27. **Evans, P.**, Craig, C., Stokes, D. (2022 October). *Supporting Preservice Teachers in Culturally Responsive Pedagogy through a Teacher Interest Group*, International Study Association on Teachers and Teaching, Bordeaux, France.
19. **Evans, P.**, Stokes, D., McAlister-Shields, L., Ekeoba, J. (2022 July). *Supporting Noyce Scholars in Culturally Responsive Endeavors through a Teacher Interest Group*, 2022 Noyce Summit, Washington, D.C.

20. Mateer, R., Campos, A., **Evans, P.**, (July 2022) *Classroom Management Supporting Inquiry in the STEM Classroom through CRP and Community*, Workshop presented at Noyce 2022 Summit, Washington D.C.
21. **Evans, P.**, Ekeoba, J., Forrest, R., Mateer, R., McAlister-Shields, L., Rangel, V. (2022 July). *Transforming STEM Professionals into Culturally Responsive STEM Teachers (STEMPro)*, 2022 Noyce Summit, Washington, D.C.
22. **Evans, P.**, Stokes, D. (2022 July). *University of Houston: Advancing Cultural and Computational Engagement in STEM Scholars (UH-ACCESS)*, 2022 Noyce Summit, Washington, D.C.
23. **Evans, P.**, Campos, A. (2022 July). *University of Houston – Leadership through Equity and Advocacy Development (UH-LEAD)*, 2022 Noyce Summit, Washington, D.C.
24. **Evans, P.**, McAlister-Shields, L., Ekeoba, J. (2022 June). *ACP that Rocks! Increase your STEM Teacher Production with an Alternative Certification Pathway*, UTeach STEM Educators Conference, Austin, TX.
25. Manuel, M., McAlister-Shields, L., **Evans, P.** (2022 June). *Leveraging Funds of Knowledge in Culturally Responsive Instruction*, UTeach STEM Educators Conference, Austin, TX.
26. **Evans, P.**, McAlister-Shields, L., Craig, C, Stokes, D., McAlister-Shields, Anand, N. (2022 April). *Building a Teacher Interest Group to Support Preservice Teachers in Culturally Responsive Endeavors*, Invisible College for Research on Teaching, American Educational Research Association 2022 Annual Meeting, San Diego, CA.
27. Craig, C, **Evans, P.**, Stokes, D., McAlister-Shields, L. Manuel, M. (2022, March). *Preparing Teachers to Teach the STEM Disciplines in America’s Urban Schools*. Collaborative for Innovation in Teacher Education, Spring 2022 Book Launch Series, Online.
28. **Evans, P.**, Stokes, D., McAlister Shields, L., Ekeoba, J. (2022, March). *Building a Noyce Teacher Interest Group to Support Scholars in Culturally Responsive Endeavors*. Western Regional Noyce Conference, San Diego, CA.
29. **Evans, P.** (2021 June). *Supporting Effective Educator Development (SEED) Project Showcase*. UTeach STEM Educators Virtual Conference.
30. Mateer, R., Ekeoba, J., & **Evans, P.** (2021 June). *Culturally Responsive Classroom Management Supporting Inquiry in the STEM Classroom*. UTeach STEM Educators Virtual Conference.
31. **Evans, P.**, McAlister-Shield, L., Ekeoba, J., & Mateer, R. (2021 June). *teachHOUSTON’s Accelerated Pathway for Seniors, New Graduates, and Career Changers*. UTeach STEM Educators Virtual Conference.
32. Manuel, M., **Evans, P.**, & McAlister-Shield, L. (2021 June). *Activities to Promote Diversity, Equity, and Inclusion, and Culturally Responsive Pedagogy in STEM*. Equity and Racial Diversity in STEM Teacher Development. UTeach STEM Educators Conference. Virtual Summit.

33. **Evans, P.**, Chauvot, J., Manuel, M., & McAlister-Shield, L. (2020 August). *Leadership Through Equity and Advocacy Development (LEAD) in STEM (LEAD Houston)*. 2020 NSF Noyce Virtual Summit.
34. **Evans, P.**, Stokes, D., Horn, C., & McAlister-Shield, L. (2020 August). *University of Houston: Learning through Informal and Formal Experiences (UH-LIFE)*. 2020 NSF Noyce Virtual Summit.
35. **Evans, P.** (2020 February), *Infusing Culturally Responsive Pedagogy in STEM Classrooms*. 2020 Western Regional Noyce Conference, Portland, OR.
36. McAlister-Shields, L. & **Evans, P.** (2020 February). *Recruiting and Retaining STEM Majors as Teachers*. 2020 Western Regional Noyce Conference, Portland, OR.
37. Nguyen, H., Emenaha, U., **Evans, P.**, & McAlister-Shields, L. (2020 February). *Enacting potential: Examining impacts of teachHOUSTON program on Asian American pre-service STEM teacher*. International Association of Asian Studies, Dallas, Texas
38. Emenaha, U., Ademosu, K., & **Evans, P.**, (2019 November). *A lesson on race and human diversity: Culturally relevant pedagogy in biology classes*. National Association of Biology Teachers (NABT) Professional Development Conference, Chicago, Illinois.
39. McAlister-Shields L., **Evans, P.**, Puig, M., Urenda, A., Peterson K., Guerra, A. & Vanderpool, S. (2019 November), *Lessons Learned: Year 1 Implementation of Culturally Responsive Pedagogy in a STEM Education Preparation Program*. 2019 Midwest Annual Robert Noyce Conference, St. Louis, MO.
40. **Evans, P.**, McAlister-Shields L., Stokes, D., & Harlow, L. (2019 July). *Increasing Recruitment and Retention of STEM Majors to Teach in High-Need School Districts*. 2019 Noyce Summit, Washington, DC.
41. **Evans, P.**, Stokes, D., & McAlister-Shield, L. (2019, July). *STEM Teacher Preparation at the University of Houston: Learning through Informal and Formal Experiences (UH-LIFE) Year 3*, 2019 Noyce Summit, Washington, DC.
42. McAlister-Shields L., & **Evans, P.** (2019 July). *Lessons Learned: Integration of CRP Across a STEM Teacher Preparation Program*, 2019 Noyce Summit, Washington, DC.
43. Sparks, D., McAlister-Shields L., & **Evans, P.** (2019 July). *The Keys to Recruiting, Retaining, and Supporting African-American Noyce Scholars*. 2019 Noyce Summit, Washington, DC.
44. **Evans, P.**, Manuel, M., McAlister-Shield, L., & Chauvot, J. (2019, July). *Enhancing Stem Teacher Leadership Through Equity and Advocacy Development (LEAD) in Houston (LEAD Houston) Year 2*, 2019 Noyce Summit, Washington, DC.
45. **Evans, P.**, McAlister-Shields L., Manuel, M., Stokes, D., & Ekeoba, J. (2019 May). *Integrating Culturally Responsive Pedagogy into STEM Teacher Preparation Programs*. UTeach National Conference, Austin, TX.
46. **Evans, P.**, Case, S., & Manuel, M. (2019 May). *To be or not to be: Demystifying your USEA Benefits*. UTeach National Conference, Austin, TX.

47. Sparks, D., McAlister-Shields, L., **Evans, P.**, Ekeoba, J., & LaCour, M. (2019 May). *Developing Solutions for Recruiting and Retaining African American Math and Science Students in UTeach Programs: A Panel Discussion and Working Group*. UTeach National Conference, Austin, TX.
48. **Evans, P.**, Craig, C. J., Han, X. & Stokes, D. (2019 May). *Scholarship Programs Fostering Female Participation in STEM*. 2019 STEM for all Video Showcase, Online.
49. **Evans, P.**, McAlister-Shields, L., Manuel, M., Ekeoba, J., & Craig, C. (2019 April). *Infusing Culturally Responsive Pedagogy in STEM teacher Preparation*, Invisible College for Research on Teaching, American Educational Research Association 2019 Annual Meeting, Toronto, Canada.
50. Stokes, D., **Evans, P.**, Forrest, R., & Bain, R. (2019 March). *An Increase in Production of Physics Teacher at the University of Houston: A Collaborative Effort*, 2019 PhysTEC Conference, Boston, MA.
51. **Evans, P.**, McAlister-Shields, L., Emenaha, U., Nguyen, H., & Ademosu, K. (2019 March). *Lifting The Tide: Preparing STEM Pre-Service Educators for Impactful Secondary Teaching Careers*. Greater Houston Area STEM Conference, Houston, TX.
52. Manuel, M., **Evans, P.**, McAlister-Shields, L., Stokes, D., Ekeoba, J., & Pel, R. (2019 February). *Integrating Engineering Design in High-Need STEM Classrooms*, Western Regional Noyce Conference, Tucson, AZ.
53. Stokes, D., McAlister-Shield, L., **Evans, P.**, Manuel, M., & Ekeoba, J. (2019 February). *Culturally Responsive Teaching: A Component of a Secondary STEM Teacher Preparation Program*, Western Regional Noyce Conference, Tucson, AZ.
54. Stokes, D., Hutchison, L., Ogletree, M., Curtis, G., Craig, C., & **Evans, P.** (2018 November). *The Influence of a Parent Academy on Student Persistence in STEM Beyond the Freshmen Year*, 2018 Transforming STEM Higher Education Conference, Atlanta, GA.
55. Stokes, D., Ogletree, M., Curtis, G., Hutchison, L., Craig, C., & **Evans, P.** (2018 November). *Promoting STEM Retention through Professional Development, Advising, and Mentoring*, 2018 Transforming STEM Higher Education Conference, Atlanta, GA.
56. **Evans, P.**, Manuel, M., McAlister-Shield, L., & Chauvot, J. (2018, July). *Enhancing Stem Teacher Leadership Through Equity and Advocacy Development (LEAD) in Houston (LEAD Houston)*, 2018 Noyce Summit, Washington, DC.
57. **Evans, P.**, Stokes, D., & McAlister-Shield, L. (2018, July). *STEM Teacher Preparation at the University of Houston: Learning through Informal and Formal Experiences (UH-LIFE)*, 2018 Noyce Summit, Washington, DC.
58. Stokes, D. & **Evans, P.** (2018, July). *Robert Noyce Scholarship Program: A Model for Recruitment and Preparation of Secondary physics and Chemistry Teachers*, 2018 Noyce Summit, Washington, DC.
59. **Evans, P.**, Stokes, D., Manuel, M., & McAlister-Shield, L. (2018, July). *Utilizing Inquiry-Based Learning in STEM Classrooms*, 2018 Noyce Summit, Washington, DC.

60. McAlister-Shield, L., **Evans, P.**, & Manuel, M. (2018, July). *Magnifying Our Impact: Integrating CRT Across a Secondary STEM Education Preparation Program*, 2018 Noyce Summit, Washington, DC.
61. **Evans, P.**, Stokes, D., Horn, C., & Bark, S. (2018, June). *University of Houston: Learning through Informal and Formal Experiences (UH-LIFE)*, Southeast Regional Robert Noyce Conference, Mobile, AL.
62. McAlister-Shields, L. & **Evans, P.** (2018, June). *Infusing Culturally Responsive Teaching in STEM Classrooms*, Southeast Regional Robert Noyce Conference, Mobile, AL.
63. **Evans, P.**, McAlister-Shields, L., & Manuel, M. (2018, May). *Infusing Culturally Responsive Teaching into teachHOUSTON Courses: A Model for UTeach Programs*, UTeach National Conference, Austin, TX.
64. **Evans, P.**, Rodriguez-Wilhelm, D., McAlister-Shields, L., & Dillard, K. (2018, May). *Developing Teacher Career Interest and Persistence through Early Field Experiences and Internships*, UTeach National Conference, Austin, TX.
65. McDonald, D., Craig, C.J., Pohl, B., Divoll, K.A., **Evans, P.**, Sack, J., Kiekel, J. Han, X., Markello, C., Turchi, L. Kahn, M., Beaudry, C., Gauna, L., Stapp, K. Ribeiro, A. Quander, J. & Li, J. (2018 April), *Challenges in Effective Mentoring and Retention of Novice Teachers*, Paper presented at the American Educational Research Association Annual Meeting, New York, NY.
66. **Evans P.**, & Stokes, D. (2018, April). *teachHOUSTON: A Science as Inquiry Model of Teacher Education*, Invisible College for Research on Teaching, Paper presented at the American Educational Research Association Annual Meeting, New York, NY.
67. **Evans, P.**, McAlister-Shields, L., Manuel, M., Stokes, D., Craig, C.J., Li, J., Gale, T., & Zhu, G. (2018, April). *Enhancing STEM Pre-service Teacher Preparation through Both Formal and Informal Learning Experiences*, Invisible College for Research on Teaching, New York, NY.
68. Craig, C., **Evans, P.**, Stokes, D., Verma, R., Zhu, G. & Gale, T. (2018, April). *The influence of professors on undergraduate and graduate students' choosing STEM careers*, Invisible College for Research on Teaching, New York, NY.
69. Craig, C., **Evans, P.**, Verma, R., Stokes, D. & Li, Jing. (2018, April). *A tribute to "unsung teachers": Teachers' influences on students enrolling in STEM programs with the intent of entering STEM careers*. Invisible College for Research on Teaching, New York, NY.
70. **Evans, P.**, Stokes, D., Bark, S., & Horn, C. (2017, July). *STEM Teacher Preparation at the University of Houston: Learning through Informal and Formal Experiences (UH-LIFE)*, American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference, Washington, DC.
71. Stokes, D., **Evans, P.K.**, Bott, S., & Craig, C.J., (2017, July). *Robert Noyce Scholarship Program: Secondary Physics and Teacher Preparation Program 2012-2017*, American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference, Washington, DC.

72. **Evans, P.**, Stokes, D., Manuel, M., & McAlister-Shields, L. (2017, May). *Increasing Preservice Retention through a Summer Internship Program*, UTeach National Conference, Austin, TX.
73. Craig, C., You, J., Zou, Y. Stokes, D., **Evans, P.**, & Curtis, G. (2017, April). *The Embodied Nature of Narrative Knowledge: A Cross-Study Analysis of Teaching, Learning and Living*, American Educational Research Association Annual Meeting, San Antonio, TX.
74. Craig, C., Li, J., **Evans, P.**, Allison, V., Oralnd-Barak, L., Guðjónsdóttir, H. et al., (2017, Spring) *Practical Pedagogies in Teacher Education*, Invisible College, American Educational Research Association Annual Meeting, San Antonio, TX.
75. **Evans, P.**, C., & Stokes, D. (2017, April). *Using a Science as Inquiry Model to Prepare STEM Teachers in High Need Areas*, National Association for Research in Science Teaching International Conference, San Antonio, TX.
76. Craig, C., **Evans, P.**, & Stokes, D. (2017, April). *The Influence of Parents on Undergraduate and Graduate Students' Entering the STEM Disciplines and Careers*, National Association for Research in Science Teaching International Conference, San Antonio, TX.
77. **Evans, P.** & Manuel, M. (2017, April). *Inquiry-Based Activities for Middle School and High School Physics Classrooms*, National Science Teachers Association National Conference, Los Angeles, CA.
78. Manuel, M. & **Evans, P.** (2017, March). *Incorporating Global STEM Collaboration into Your Classroom*, National Science Teachers Association National Conference, Los Angeles, CA.
79. Stokes, D., **Evans, P.**, Bott, & S. Itzep, J. (2016, July). *Noyce Internship Institute at the University of Houston: Professional Development for Noyce Interns*, American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference, Washington, DC.
80. Stokes, D., **Evans, P.**, Bott, S. & Itzep, J. (2016, July). *Recruitment, Preparation and Retention of STEM Students as High School Teachers at the University of Houston*, American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference, Washington, DC.
81. Suskavcevic, M., Dominey, W. & **Evans, P.** (2016, April). *Inquiry-Based Teaching to Engage High-Need Students in High School Physics*, American Educational Research Association Annual Meeting, Washington, D.C.
82. **Evans, P.** et al. (2015, November). *Incorporating Formative Assessment Strategies into your STEM Classrooms*. Western Regional Noyce Conference, San Diego, CA.
83. **Evans, P.** et al. (2015, November). *Incorporating Project-Based Learning into your STEM Classroom*. Western Regional Noyce Conference, San Diego, CA.
84. Suskavcevic, M., Kapral, A., Forrest, R., **Evans, P.**, Dominey, W., Cheung, M., & Stokes, (2015, July). *Outcomes and Success of a High School Professional Development Program*, American Association of Physics Teachers, College Park, MD.

85. **Evans, P.** & Manuel, M. (2015, May). *Expanding Access to Physics for Middle School and High School Preservice Teachers: University of Houston's New Physics Courses*. National UTeach Conference, Austin, TX.
86. **Evans, P.** (2015, April). *The Impact of a Physics Inquiry Course on a Physics Teachers: A Narrative Inquiry*. American Educational Research Association Annual Meeting, Chicago, IL.
87. **Evans, P.** & Stokes, D. (2014, November). *Incorporation of Inquiry-Based Activities in STEM Classrooms*. Western Regional Noyce Conference, San Francisco, CA.
88. **Evans, P.**, Stokes, D., Bott, S. & Rodriguez, J. (2014, June). *University of Houston Robert Noyce Scholarship Program*. National Science Foundation, Robert Noyce Teacher Scholarship Program Conference, Washington, D.C.
89. **Evans, P.** & Rodriguez, J. (2014, June). *Physics by Inquiry: Preparing Teachers for Inquiry-Based Teaching and Learning*. National Science Foundation, Robert Noyce Teacher Scholarship Program National Conference, Washington, D.C.
90. **Evans, P.**, Gonzalez, O., Lewis, A., & Rodriguez, J.N. (2014, May). *The Impact of a Physics by Inquiry Course on Preservice Teachers' Conceptions and Enactments of Inquiry-Based Learning*. UTeach Institute National Conference, Austin, TX.
91. **Evans, P.** (2014, April). *Preservice Teachers' Conceptions and Enactments of Inquiry-Based Learning after a Physics Inquiry Course*. National Association for Research in Science Teaching International Conference, Pittsburgh, PA.
92. Jacobs, L., Jeffery, T., **Evans, P.**, Shields, L. & Hatch, R. (2014 February). *Building Pre-service Efficacy through Informal Teaching Experience*, Southwest Educational Research Association, New Orleans, LA.
93. **Evans, P.** & Hatch, R. (2013, October). *Incorporating R & D Project Teams in a STEM Program: The Good, the Bad, and the Ugly!* Southwest Association for Science Teacher Education Conference, San Antonio, TX.
94. **Evans, P.**, Hart, G., Stokes, D. & Bott, S. (2013, May). *Increasing the Potential of Physics and Chemistry Teachers through Formal and Informal Learning Experiences*. National Science Foundation, Robert Noyce Teacher Scholarship Program Conference, Washington, D.C.
95. **Evans, P.**, Stokes, D., Bott, S. & Hart, G. (2013, May). *University of Houston Robert Noyce Scholarship Program: Recruitment, Preparation and Retention of Teachers for Secondary Physics Education*. National Science Foundation, Robert Noyce Teacher Scholarship Program Conference, Washington, D.C.
96. **Evans, P.**, Hart, G. & Hatch, R. (2013, May). *Increasing the Potential of Physics and Chemistry Teachers in teachHOUSTON*. UTeach Institute National Conference, Austin, TX.
97. **Evans, P.** (2013, April). *A Narrative Inquiry into Teaching Physics as Inquiry*. National Association for Research in Science Teaching International Conference, Puerto Rico, USA.
98. **Evans, P.** (2012, October). *Launching Students Toward STEM Exploration*. Southwest Association for Science Teacher Education Conference, Clear Lake, TX.

99. **Evans, P.** (2012, April). *Conducting Narrative Inquiries in Stereotypically Quantitative Research Areas*. American Educational Research Association, Invisible College, Vancouver, BC.

**SELECTED PROFESSIONAL DEVELOPMENT PRESENTATIONS**

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1. **Evans, P.,** Campos, A. (2022, July). Culturally Responsive Pedagogy Overview, *Inclusive Pedagogy and Practices for STEM Educators*, Online.
2. McAlister-Shields, L., **Evans, P.** (2022, July). What is Culture?, *Inclusive Pedagogy and Practices for STEM Educators*, Online.
3. **Evans, P.,** Mateer, R. (2022, July). Introduction to Culturally Responsive Pedagogy Applications, *Inclusive Pedagogy and Practices for STEM Educators*, Online.
4. Mateer, R., **Evans, P.** (2022, July). Classroom Management and Culturally Responsive Pedagogy, *Inclusive Pedagogy and Practices for STEM Educators*, Online.
5. **Evans, P.,** Webb, S., & Holzknrecht, S. (2018, June). *Informing your High Needs STEM Classroom through Engaging Formative Assessment Strategies*, Southeast Regional Robert Noyce Conference, Mobile, AL.
6. **Evans, P.,** DiBacco, M., & Ibarra, A. (2018, June). *Inquiry-Based Activities for Middle School and High School Science Classrooms*, Southeast Regional Robert Noyce Conference, Mobile, AL.
7. **Evans, P.** (2018, June). *Bullying Awareness*, 2018 Noyce Internship Institute, Houston, TX.
8. **Evans, P.** (2018, June). *UH-LIFE Noyce Internship Institute*, 2018 Noyce Internship Institute, Houston, TX.
9. **Evans, P.** (2017, June). *Bullying in Middle School*, 2017 Noyce Internship Institute, Houston, TX.
10. **Evans, P.** (2017, June). *Facilitating Effective Research and Design Teams*, 2017 Noyce Internship Institute, Houston, TX.
11. **Evans, P.,** Stokes, D. & McAlister-Shields, L. (2017, February). *Implementing the 5E Lesson Plan in STEM Classrooms*, Western Regional Noyce Conference, Fresno, CA.
12. McAlister-Shields, L., **Evans, P.,** & Stokes, D. (2017, February). *State of Mind: Integration of Growth Mindset Strategies in STEM Education Classrooms*, Western Regional Noyce Conference, Fresno, CA.
13. Stokes, D, **Evans, P.** & McAlister-Shields, L. (2017, February). *From Cookbook to Inquiry in STEM Classrooms*, Western Regional Noyce Conference, Fresno, CA.
14. **Evans, P.,** Manuel, M. & Bott, S. (2016, May). *Creating an Alumni Advisory Board to Connect Students and Graduates*, National UTeach Conference, Austin, TX.
15. **Evans, P.** & Latiolais, C. (2015, October). *2015 ExxonMobil Bernard Harris Summer Science Camp Overview*. ExxonMobil Bernard Harris Summer Science Camp National Forum, Houston, TX.

16. **Evans, P.** (2015, June). *Voyaging Into the Cosmic Ocean*. ExxonMobil Bernard Harris Summer Science Camp Training, Houston TX.
17. **Evans, P.** (2015, April). TExES Composite Science Test Review, Houston, TX.
18. **Evans, P.** et al. (2014, November). *Incorporating STEM Teaching Strategies into your Secondary Classrooms*. Western Regional Noyce Conference, San Francisco, CA.
19. **Evans, P.**, Shields, L. & Jacobs, L. (2014, October). *Voyaging into the Cosmic Ocean*. ExxonMobil Bernard Harris Summer Science National Forum, Houston, TX.
20. **Evans, P.**, Shields, L. & Jacobs, L. (2013, October). *University of Houston's ExxonMobil Bernard Harris Summer Science Camp*. ExxonMobil Bernard Harris Summer Science National Forum, Houston, TX.
21. **Evans, P.** (2011, June). *Aligning Instruction to Camp Theme*. ExxonMobil Bernard Harris Summer Science Camp Training, Houston TX.
22. **Evans, P.** (2011, May). *Classroom Interactions and Inquiry Based Lesson Plans*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX.
23. **Evans, P.** (2010, June). *Houston we have a mission: POWER UP!* ExxonMobil Bernard Harris Summer Science Camp Training, Houston TX.
24. **Evans, P.** (2010, Summer). *Heat, Temperature, and Properties of Matter*. University of Houston Victoria, Victoria, TX.
25. **Evans, P.** (2010, May). *STEP 1 and STEP 2 Vertical Alignment and Inquiry-Based Teaching and Learning*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX.
26. **Evans, P.** (2010, May). *Vertical Alignment of Classroom Management and Instruction*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX.
27. **Evans, P.** (2010, May). *Classroom Interactions Portfolio Design for Science and Math Inquiry*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX.
28. **Evans, P.** (2009, May). *Portfolio Development for Science and Math Teachers*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX.
29. **Evans, P.** (2009, May). *STEP 1 Curriculum and Inquiry-Based Teaching and Learning*. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX.

### VIDEO PRODUCT

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1. **Evans, P.**, Craig, C., McAlister-Shields, L., Phillips, E., Stokes, D., Subhlok, J., & Zhu, W. (2022). *teachHOUSTON: The Journey of a STEM Teacher in the NSF STEM for all Video Showcase*, Access, Inclusion, and Equity.
2. **Evans, P.**, Manuel, M., Ekeoba, J., Mateer, R., Larsen, & L., Craig, C. (2021). *teachHOUSTON STEM Interactive: Making STEM Accessible Worldwide*, in the NSF STEM Video for All Showcase.

**DIGITAL PRODUCTS**

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1. Evans, P., Craig, C., Han, X. & Stokes, D. (2019). *The impact of innovative scholarship programs that foster female participation in STEM*

**CONFERENCES ATTENDED**

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1. American Educational Research Association Annual Meeting, Denver, CO (April 2025)
2. Western Regional Noyce Conference, San Diego, CA (February 2025)
3. 2024 Annual NSF Noyce Summit, Washington D.C. (July 2024)
4. UTeach STEM Educators Conference, Austin, TX (May 2024)
5. American Educational Research Association Annual Meeting, Philadelphia, PA (April 2024)
6. Invisible College at American Educational Research Association Annual Meeting, Philadelphia, PA (April 2024)
7. Texas Strategic Staffing Conference, San Antonio, TX (March, 2024)
8. Western Regional Noyce Conference, Portland, OR (February 2023)
9. 2023 Noyce Summit, Washington, D.C. (June 2023)
10. UTeach STEM Educators Conference, Austin, TX (June 2023)
11. UTeach STEM Educators Association Co-Director Convening, Virtual, (April 2023)
12. 2023 Summit: Recruiting and Preparing More STEM Teachers: University-Based Solutions, Austin, TX (March 2023)
13. Hawaii International Conference on Education, Honolulu, HI, (January 2023)
14. International Study Association on Teachers and Teaching, Bordeaux, France (October 2022)
15. 2022 Noyce Summit, Washington, D.C. (July 2022)
16. Inclusive Pedagogy and Practices for STEM Educators, Online (July 2022)
17. 2022 Texas Educator Residency Summit, Online (June 2022)
18. UTeach STEM Educators Conference, Austin, TX (June 2022)
19. 2022 Equity and Racial Justice in STEM Teacher Development Summit, Austin, TX (June 2022)
20. SEED Program Meeting: Reimagining the Educator Candidate Pool, Online (May 2022)
21. STEM for All Video Showcase: Access, Inclusion, and Equity, Online (May 2022)
22. American Educational Research Association 2022 Annual Meeting, San Diego, CA (April 2022)
23. Invisible College for Research on Teaching, American Educational Research Association 2022 Annual Meeting, San Diego, CA (April 2022)

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24. Faculty Senate Conference, Rising Together: Advancing Higher Education through Equity and Inclusion ,University of Houston, Houston, TX (March/April 2022)
25. Collaborative for Innovation in Teacher Education, Spring 2022 Book Launch Series, Online (March 2022).
26. Western Regional Noyce Conference, San Diego, CA (March 2022)
27. AAAS ARISE Webinar (February 2022)
28. AAAS NSF Noyce Town Hall & Discussion with NSF Program Officers, Online (August 2021)
29. UTeach STEM Educators Virtual Conference, Online (June 2021)
30. Equity and Racial Diversity in STEM Teacher Development Virtual Summit, Online (June 2021)
31. American Educational Research Association Annual Meeting, Online (April 2021)
32. Joint Spring 2021 Meeting of the Texas Sections of the American Physical Society, American Association of Physics Teachers, SPS (April 2021)
33. 2020 NSF Noyce Virtual Summit (August 2020)
34. NSF AAAS Noyce PI Summer Block Party, Online (July 2020)
35. UTeach STEM Educators Summit 2020, Online (June 2020)
36. Western Regional Noyce Conference, Portland, OR, (February 2020)
37. Hawaii International Conference on Education, Honolulu, HI, (January 2020)
38. 2019 NSF AAAS Noyce Summit, Washington D.C., (July 2019)
39. PERSIST Washington D.C., (July 2019)
40. American Association of Colleges for Teacher Education: Washington Week, Washington, D.C., (June 2019)
41. STEM Video for All Showcase, Online, (May 2019)
42. Conference, American Educational Research Association Annual Meeting, Toronto, Canada (April 2019)
43. Invisible College for Research on Teaching, Toronto, Canada (April 2019)
44. 2019 PhysTEC Conference, Boston, MA (March 2019)
45. Western Regional Noyce Conference, Tucson, AZ (February 2019)
46. American Association of Physics Teachers Winter Meeting, Houston, TX (January 2019)
47. Hawaii International Conference on Education, Honolulu, HI, (January 2019)
48. UTeach Maker/Maker Ed C3 Summit, Austin, TX, (December 2018)
49. Midwest Robert Noyce Regional Conference, St. Louis, MO, (October 2018)
50. 2018 Noyce Summit, Washington D.C., (July 2018)

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51. UTeach STEM Educators Conference, Austin, TX, (June 2018)
52. Southeast Regional Robert Noyce Conference, Mobile AL, (June 2018)
53. American Association of Colleges for Teacher Education Day on the Hill, Washington, D.C. (June 2018)
54. UTeach National Conference, Austin, TX (May 2018)
55. American Educational Research Association Annual Meeting, New York, NY (April 2018)
56. Priming the Computing Teacher Pump, New York, NY (April 2018)
57. Invisible College for Research on Teaching, New York, NY (April 2018)
58. 2018 PhysTEC Conference, College Park, MD (February 2018)
59. Bridging UTeach & Engineering Workshop – Plus Computer Science, University of Colorado Boulder, Boulder, CO (January 2018)
60. American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference, Washington, DC (July 2017)
61. UTeach National Master Teacher Retreat, Austin, TX (July 2017)
62. UTeach National Conference, Austin, TX (May 2017)
63. National Science Teacher Association National Conference (March/April 2017)
64. Western Regional Noyce Conference, Fresno, CA (February 2017)
65. American Educational Research Association Annual Meeting, Washington, D.C. (April 2016)
66. ExxonMobil Bernard Harris Summer Science National Forum, Houston, TX (February 2016)
67. UTeach National Master Teacher Retreat, Austin, TX (January 2016)
68. Western Regional Noyce Conference, San Diego, CA (November 2015)
69. ExxonMobil Bernard Harris Summer Science Camp National Fall Forum, Houston, TX (October 2015)
70. National UTeach Conference, Austin, TX (May 2015)
71. American Educational Research Association Annual Meeting, Chicago, IL (April 2015)
72. Western Regional Noyce Conference, San Diego, CA (November 2015)
73. ExxonMobil Bernard Harris Summer Science National Fall Forum, Houston, TX (October 2015)
74. Western Regional Noyce Conference, San Francisco, CA (November 2014)
75. ExxonMobil Bernard Harris Summer Science Camp National Fall Forum (October 2014)
76. National Science Foundation, Robert Noyce Teacher Scholarship Program National Conference, Washington, D.C (June 2014)

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77. UTeach Institute National Conference, Austin, TX (May 2014)
78. National Association for Research in Science Teaching International Conference, Pittsburgh, PA (April 2014)
79. ExxonMobil Bernard Harris Summer Science National Spring Forum, Houston, TX (February 2014)
80. Southwest Educational Research Association, New Orleans, LA (February 2014)
81. ExxonMobil Bernard Harris Summer Science National Fall Forum, Houston, TX (October 2013)
82. Southwest Association for Science Teacher Education Conference, San Antonio, TX (October 2013)
83. National Science Foundation, Robert Noyce Teacher Scholarship Program Conference, Washington, D.C. (May 2013)
84. UTeach Institute National Conference, Austin, TX (May 2013)
85. ExxonMobil Bernard Harris Summer Science National Spring Forum, Houston, TX (March 2013)
86. National Association for Research in Science Teaching International Conference, Puerto Rico, USA (April 2013)
87. Southwest Association for Science Teacher Education Conference, Clear Lake, TX (October 2012)
88. UTeach National Conference, Austin, TX (May 2012)
89. American Educational Research Association Annual Meeting, Vancouver, BC. (April 2012)
90. American Educational Research Association, Invisible College, Vancouver, BC. (April 2012)
91. The Harris Foundation National Conference, Houston, TX (February 2012)
92. Physics Teacher Education Coalition Conference, Austin, TX (May 2011)
93. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX (May 2011)
94. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX (May 2010)
95. UTeach, National Master Teacher Retreat, Austin, TX (January 2010)
96. National Mathematics and Science Initiative/UTeach National Conference, Austin, TX (May 2009)
97. UTeach, National Master Teacher Retreat, Austin, TX (January 2009)

**SERVICE TO THE DEPARTMENT, COLLEGE AND UNIVERSITY: All Unpaid Unless Noted**

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## Department

### ***Department Committees:***

1. Co-Chair or Chair, *teachHOUSTON* Scholarship Committee (2013 – present)
  - Direct application process, committee meetings, selections, award notices, and disbursement of awards with mathematics department for approximately \$500,000 annually
  - Keep balance of 8 scholarship and foundation cost centers
  - Meets each semester for 10-15 hours
2. Chair of Search Committee, Department of Mathematics/*teachHOUSTON*, for Instructional/Clinical Faculty Position for *teachHOUSTON* (2018, 2019, 2020, 2021, 2023, 2024)
  - Lead the search efforts for NTT faculty positions
  - Coordinate the review of applications, interviewing of candidates, and selection of candidates
3. Chair of Search Committee, Dep Department of Mathematics/*teachHOUSTON*, for Staff Position for *teachHOUSTON* (2024)
  - Lead the search efforts for staff program director position
  - Coordinate the review of applications, interviewing of candidates, and selection of candidates
4. Committee Member, NTT APR, Department of Mathematics (2022, 2023, 2025)
  - Review NTT APR and make recommendations for teaching and service
5. Association for Advancing Quality in Educator Preparation (AAQEP): Prepared yearly reports for University of Houston, *teachHOUSTON* Accreditation, 2021 – present. ~ 8 hours each year.
6. Advisory Board Member: NSF Grant Data Science for Energy Transition (2021 – present)
7. *teachHOUSTON* Liaison, College of Education (2012 – present)
8. Curriculum Committee Member, *teachHOUSTON* (2012 – present)
9. Director, Noyce Scholarship Programs, Department of Physics and Department of Mathematics, *teachHOUSTON* (2012 – present)
10. Certification Committee Member, *teachHOUSTON* (2010 – present)
11. Advisory Board Member: NSF Grant STEM Research Inquiry Summer Enrichment Program (2022)
12. Promotion and Review Committee: Non-Tenure Track Mathematics (2018, 2019, 2020, 2021)
13. Undergraduate Committee, Department of Mathematics (2019, 2020)
14. Co-developer, Department of Mathematics, Physics Contest Exam for Math Contest (2016 – 2022)
15. Member, *teachHOUSTON* Search Committee for Faculty Position (2016)

### ***Outreach Activities:***

1. Director, General Motors New Teachers Academy (2023 – 2024).

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- Provide Professional Development, mentoring, and networking events to 120 new teachHOUSTON STEM teachers. [Link to Program.](#)
- Meet bi-weekly to co-develop and coordinate a four-day conference style event for teachers of years 0-3 experience.
- Co-develop and coordinate 3 networking and professional development events throughout the school year.
- 2. Director, CenterPoint Energy New Teachers Academy (2022 – 2023).
  - Provided Professional Development, mentoring, and networking events to 41 new teachHOUSTON STEM teachers.
  - Co-develop and coordinate a three-day conference style event for teachers of years 0-3 experience. [Link to Program.](#)
  - Co-develop and coordinate 3 networking and professional development events throughout the school year.
- 3. Co-Coordinator, *teachHOUSTON* Induction Program (2010 – present)
- 4. Director, Noyce Internship Program, Department of Physics and Department of Mathematics, *teachHOUSTON* (2013 – 2018)
- 5. Advisory Board Member, Full STEM Ahead Summer Camp for Middle School Students (2022 – present): Help plan summer STEM camp and advise on finances.
- 6. Director, Inclusive Pedagogy and Practices for STEM Educators (2022-2023): Provide professional development for over 40 in-service STEM teachers nationally in the summer and during the year.
- 7. Provided Professional Development to 30 in-service STEM teachers in the Houston area as a part of UH-REACH, University of Houston - Raising Equitable Access for Children in Houston (July 2021).
- 8. Founder and Executive Director, [teachHOUSTON STEM Interactive](#) (2020, 2021)
  - a) Created and directed an online virtual STEM camp, free of cost for students that impacted over **4,300** students
  - b) Secured funding for this endeavor for summers 2020 and 2021
  - c) Employed 55 UH interns who gained experience in online teaching
  - d) Mentored faculty, graduates, and undergraduates in online teaching
  - e) Increased the visibility of UH as a source of education and empowerment for youth in the Houston area
- 9. Get the Facts Out Initiative, Houston, TX (2018-2019)
- 10. Volunteer, ExxonMobil Bernard Harris Summer Science Camp (2015 – 2018)
- 11. Mars Rover Competition Volunteer (2013, 2014, 2015)
- 12. Executive Director, ExxonMobil Bernard Harris Summer Science Camp (2010 - 2014)
  - a) Annual residential camp for 50-8 underserved middle school students
  - b) Secured funding for this endeavor for summers 2010 - 2018
- 13. Faculty Advisor, *teachHOUSTON* Alumni Advisory Board (2014 – present)

## ***Outreach Visits:***

1. Outreach visit, Fort Bend ISD, Sugar Land, TX (Fall 2008 – Spring 2023) Attend meetings each semester to strengthen partnership and STEM teacher preparation.
2. Outreach visit, Fort Bend ISD, Sugar Land, TX (February, 2023; October, 2022; February

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3. Outreach visit, Lamar High School, Houston, TX (November 2019)
4. Outreach visit, Pasadena ISD, Houston, TX (November 2019)
5. Outreach visit, Transocean, Houston, TX (April 2019)
6. Fab Lab Outreach, Aldine, TX (2018-1019)
7. Outreach visit, Harmony Schools, Houston, TX (December 2018; January 2019)
8. Outreach visit, Katy ISD, Katy, TX (October 2018)
9. Outreach visit, Spring Branch ISD, Houston, TX (September 2018)
10. Outreach visit, Mickey Leland High School, Houston ISD, November 2017)
11. Outreach visit, Pasadena ISD (November 2016)
12. Outreach visit, McReynolds Middle School (January 2016)
13. Outreach visit, Lanier Middle School (January 2016)
14. Outreach visit, Reagan High School (January 2016)
15. Outreach visit, HISD (January 2016)
16. Outreach visit, Energy Institute HS (August 2015)
17. Pasadena Memorial High School UH visit (April 2015)
18. MacArthur High School UH Visit (June 2015)
19. Outreach visit, Dobie High School (December 2014)
20. Executive Director, Bonnie J. Dunbar STEM Academy at *teachHOUSTON* (July 2014)
21. MacArthur High School UH Visit (June 2014)
22. Pasadena Memorial High School UH visit (January 2014)
23. Mathematics 3311 Guest Lecturer (Fall 2013, Fall 2014, Fall 2015, Fall 2016, Fall 2017)
24. Outreach visit, South Houston High School (September 2013)
25. Outreach visit, Houston Independent School District (Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012)
26. Outreach visit, Spring Branch Independent School District (Fall 2008, Spring 2009, Fall 2009, Spring 2010, Fall 2010, Spring 2011, Fall 2011, Spring 2012, Fall 2012)

## College

1. Committee Member, NSM Instructional and Clinical Promotion and Review Committee (2018 – present)
  - Review NTT portfolios and make recommendations for promotion to the Dean
  - Assist with letter writing
2. Member, NSM Student Success Team (2020 – present): Meet weekly for 1.5 hours regarding initiatives to support NSM student success

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3. Committee Member, NSM Diversity, Equity, and Inclusion (2021 – 2023): attend monthly meetings and events.
4. Attended NSM graduation (Fall 2021, Spring 2021, Makeup due to COVID, Spring 2022, Fall 2022, Spring 2023, Spring 2024, Fall 2024); Assist with graduation as needed.
5. Committee Member, NSM Strategic Planning: Engagement Group (2022): Help develop the NSM strategic plan for the Engagement Group.

## Other Departments and Colleges

1. Committee Member, NTT APR, Department of Physics (2023 - present): Attend NTT meetings and provide recommendation scores for annual performance reviews.
2. Committee Member: College of Education, Educational Leadership and Policy Studies, NTT Promotion and Review Committee (2021, 2022, 2023)
  - Review NTT portfolios and make recommendations for promotion to the Dean
  - Assist with letter writing
3. Member, Physics Search Committee for Faculty Position (2016 – 2017; 2019 – 2020)
4. Promotion and Review Committee: Non-Tenure Track Moores School of Music (2020)
5. Promotion and Review Committee: Non-Tenure Track Computer Science (2018)
6. Promotion and Review Committee: Non-Tenure Track Physics (2018)
7. Doctoral Dissertation Defense Committee – Ha Nguyen, (2021 – 2022)
8. Doctoral Dissertation Defense Committee – Rebecca Love, (2021 – 2023)
9. Doctoral Dissertation Defense Committee – Uchenna Emenaha, (2021)
10. Faculty Advisor, Circle K International, (2017 – 2021)
11. Faculty Advisor, UH American Medical Women’s Association, (2017 – 2020)
12. Faculty Advisory Committee, Honors Biomedical Science (2016 – 2018)
13. Faculty Advisor, Pre-Physician’s Assistant Student Association (2016 – 2018)
14. Faculty Advisor, Student Advocates for Medicine and Politics (2016 – 2018)
15. Facilitator, Science Teacher Equity Project (2013 – 2018)
16. College of Education, Strategic Planning Committee (2016)
17. Doctoral Dissertation Defense Committee – Laura Jacobs, Educational Psychology (2014)

## University

1. UH Provost’s Compensation Task Force Committee Member (2014 – 2015)

## SERVICE TO THE PROFESSION

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1. Evaluation Advisory Committee Member, WhitworthKee Consulting, LLC (2024 – present)
  - Evaluate the National Science Foundation Robert Noyce Program
  - Attend meetings each semester and in the summer

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- *Paid position*
- 2. Advisory Board Member: NSF IUSE Grant, Florida International University (2023 – present)
  - Serve as an advisory board member for the NSF grant, Enhancing Pathways to a STEM Teaching Profession for Minoritized Students
  - Attend meetings each semester
  - *Paid position*
- 3. Review Editor, Teacher Education in Frontiers in Education (2021 – present)
  - Conducted 8 reviews
  - Four Publications
- 4. Editorial Review Board Member, Journal of Teacher Education (2021 – present): attend meetings each semester to discuss journal, vision, and challenges.
- 5. Peer Article Reviewer, Teaching and Teacher Education (2019 – present); conducted 10 reviews.
- 6. Conference Organizer: Planning Team, UTeach Equity and Racial Justice Summit (2022 – 2023): Attend monthly meetings to plan annual conference.
- 7. Conference Organizer and Director, Inclusive Pedagogy and Practices for STEM Educators (2022-2023): Provide professional development for over 40 in-service STEM teachers nationally in the summer and during the year. Coordinate program, agenda, speakers, and sessions.
- 8. Conference Organizer and Director: Provided Professional Development to 30 in-service STEM teachers in the Houston area as a part of UH-REACH, University of Houston - Raising Equitable Access for Children in Houston (July 2022). Coordinate program, agenda, speakers, and sessions. Select participants.
- 9. UTeach National Poster Contest Judge (May 2015)
- 10. Representative, *teach*HOUSTON Co-Director's Interview for Three Year Report (February 2016)
- 11. Representative, UTeach National Co-Director's Meeting, Dallas, TX (September 2015)
- 12. Past President UTeach STEM Educators Association (USEA) (2019 – 2020)
- 13. Committee Chair, USEA Awards Committee (2020)
- 14. Leadership Team, UTeach USEA Equity and Racial Justice (2020 – 2021)
- 15. Planning Team, UTeach Equity and Racial Justice Summit (2020 – 2023)
- 16. President UTeach STEM Educators Association (USEA) (2018 – 2019)
- 17. Proposal Reviewer, National Science Foundation (2017, 2018, 2019, 2020)
- 18. *teach*HOUSTON National Advocacy Trip, AACTE Day on the Hill, Washington. D.C. (2018-2019)
- 19. Committee Member, Bernard Harris Summer Science Camp 2.0 Program Group and What If Group (2018)
- 20. Vice President UTeach STEM Education Association (USEA) (2017 – 2018)
- 21. Committee Chair, USEA Leadership Development Committee (2017)

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22. Host, UTeach National Master Teacher Retreat, Austin, TX (July 2017)
23. Peer Reviewer, Journal of STEM Education (2017)
24. Proposal Reviewer, International Study Association on Teacher and Teaching (2017)
25. Executive Board Member, UTeach STEM Education Association (2014 – 2017)
26. Evaluator for Springer, New York, NY: Inquiry-Based Physics Text Book (2016)
27. Contributor, UTeach MOOC: The Five E Lesson Plan (2016)
28. Host, UTeach National Master Teacher Retreat, Austin, TX (January 2016)
29. Grant Proposal Reviewer, UTeach Institute, University of Texas at Austin (2014)
30. Proposal Reviewer, National Association for Research in Science Teaching (2014)
31. UTeach Institute Site Visit Consultant, University of Texas at Brownsville (Spring 2014)
32. Instructional Program Reviewer, UTeach for Project Based Instruction (2013 – 2014)
33. Proposal Reviewer, National Association for Research in Science Teaching (2013)
34. UTeach Institute Site Visit Consultant, University of Texas at Brownsville (Spring 2013)
35. Grant Proposal Reviewer, UTeach Institute, University of Texas at Austin (2013)
36. Bill and Melinda Gates Foundation, MET Extension Project (2012 – 2013)
37. Proposal Reviewer, National Association for Research in Science Teaching (2012)
38. UTeach National Training for Classroom Interaction Course (April 2012)
39. UTeach Institute Site Visit Consultant, University of Colorado at Colorado Springs, CO (Spring 2012)
40. Instructional Program Reviewer, UTeach for Classroom Interactions (2011– 2012)
41. University of Houston – Victoria Teacher Quality Grant Consultant, Inquiry-Based Teaching (June 2010 – January 2012)
42. Instructional Program Reviewer, UTeach Apprentice Teaching Portfolio (2009– 2010)

### **UNDERGRADUATE/GRADUATE MENTORING ACCOMPLISHMENTS**

Assist with applications, conference proposals, presentations, and travel for students attending conferences and summer internships.

1. Western Regional Noyce Conference, San Diego, CA, ~30 Attendees and Presenters (February 2025)
2. STEM Teacher and Researcher Program Internship – 2 Students (Summer 2024)
3. National 2024 Noyce Summit, Washington DC, 4 Attendees and Presenters (June 2024)
4. Western Regional Noyce Conference, Portland, OR, 33 UH Attendees and Presenters (February 2024)
5. STEM Teacher and Researcher Program Internship – 2 Students (Summer 2023)

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6. National 2023 Noyce Summit, Washington DC, 4 Attendees and Presenters (June 2023)
7. Western Regional Noyce Conference, Sacramento, CA, 14 UH Attendees and Presenters (March 2023)
8. Western Regional Noyce Conference, San Diego, CA, 26 UH Attendees and Presenters (March 2022)
9. National 2022 Noyce Summit, Washington DC, 4 Attendees and Presenters (July 2022)
10. Robert Noyce Internship – 20 Students and 5 graduates (Summer 2021)
11. Robert Noyce Internship – 26 Students and 5 graduates (Summer 2020)
12. Western Regional Noyce Conference, Portland, OR, 17 UH Attendees and Presenters (February 2020)
13. MW Regional Noyce Conference, St. Louis, MO, 22 UH Attendees and 11 Presenters (November 2019)
14. Robert Noyce Internship – 16 Students and 5 graduates (Summer 2019)
15. National 2019 Noyce Summit, Washington DC, 2 Attendees and Presenters (July 2019)
16. UTeach STEM Educators Conference, Austin, TX – 32 UH Attendees (June 2019)
17. UTeach National Conference, Austin, TX – 2 Attendees and Presenters (May 2019)
18. SXSW EDU, Austin, TX – 5 UH Attendees and Presenters with the Fab Lab Houston (March 2019)
19. Western Regional Noyce Conference, Tucson, AZ – 25 UH Attendees and Presenters (February 2019)
20. Midwest Regional Robert Noyce Conference, St. Louis, MO – 10 UH Attendees (October 2018)
21. American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference – 2 UH Attendees and Presenters (July 2018)
22. UTeach STEM Educators Conference, Austin, TX – 25 UH Attendees (June 2018)
23. Southeast Regional Robert Noyce Conference, Mobile AL – 15 UH Attendees and Presenters (June 2018)
24. Robert Noyce Internship – 15 Students (Summer 2018)
25. STEM Teacher and Researcher Program Internship – 3 Students (Summer 2018)
26. STEM Teacher and Researcher Program Internship, NASA Armstrong Flight Research Center, Jet Engine Modeling/Thermodynamics Modeling/Aircraft Turbogeneration Modeling, Aala Al Hasan (Summer 2017)
27. Science Undergraduate Laboratory Internship, Brookhaven National Laboratory, Long Island, NY, Tri Duong (Summer 2017)

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28. STEM Teacher and Researcher Program Internship, NASA Jet Propulsion Lab, Microorganisms Associated with Mars-Bound Spacecraft: Preservation, Identification, Characterization. Jamie Lehnen (Summer 2017)
29. American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference – 2 UH Attendees and Presenters (July 2017)
30. Robert Noyce Internship – 15 Students (Summer 2017)
31. National Science Teachers Association National Conference - 5 UH Attendees (April/May 2017)
32. Western Regional Noyce Conference – 15 UH Attendees and Presenters (February 2017)
33. STEM Teacher and Researcher Program Internship, Stanford Linear Accelerator Laboratory, Understanding Molecular Bonding in Vitamin B12 with X-ray Spectroscopy, Jamie Lehnen (Summer 2016)
34. STEM Teacher and Researcher Program Internship, Stanford Linear Accelerator Laboratory, Developing Automated Techniques for Finding Hidden Features in Large X-Ray Scattering and Spectroscopy Datasets, Tri Duong (Summer 2016)
35. STEM Teacher and Researcher Program Internship, Pacific Northwest National Laboratory, Measurement and Modeling of Cosmic Ray Exposure for SuperCDMS Dark Matter Detectors, Kameron McCall (Summer 2016)
36. STEM Teacher and Researcher Program Internship, Pacific Northwest National Laboratory, Analysis of Liquid Single Photon Ionization Mass Spectrometry Data, Aala Al Hasan (Summer 2016)
37. Robert Noyce Internship – 12 Students (Summer 2016)
38. American Association for the Advancement of Science (AAAS) and the National Science Foundation National Conference – 1 UH Attendee and Presenter (July 2016)
39. ExxonMobil Bernard Harris Summer Science Camp National Forum – 1 UH Attendee and Presenter (February 2016)
40. Texas Association of Future Educators State Conference – 3 UH Attendees and Presenters (January 2016)
41. Presentation for UH Doctoral Class – 6 UH Presenters (December 2015)
42. Western Regional Noyce Conference – 8 UH Attendees and Presenters (November 2015)
43. Science Teachers Association of Texas Conference – 12 UH Attendees (November 2015)
44. STEM Teacher and Researcher Program Internship, National Center for Atmospheric Research, Wind Effect on Snowfall Estimations to Evaluation Climatological Records, Kameron McCall (Summer 2015)
45. Robert Noyce Internship – 12 Students (Summer 2015)
46. STEM Teacher and Researcher Program Internship, Stanford University, Uranium Contamination, Francis Tee (Summer 2014; Summer 2015)

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47. Texas Association of Future Educators State Conference – 1 UH Attendee and Presenter (January 2015)
48. Science Teachers Association of Texas Conference – 10 UH Attendees (November 2014)
49. Western Regional Noyce Conference – 10 UH Attendees and Presenters (November 2014)
50. Robert Noyce Internship – 12 Students (Summer 2014)
51. UTeach National Conference – 3 UH Presenters and Attendees (May 2014)
52. National Science Foundation Robert Noyce Teacher Scholarship National Conference – 2 UH Attendees and Presenters (May 2014)
53. Western Regional Noyce Conference – 2 UH Attendees (April 2014)
54. Science Teachers Association of Texas Conference – 10 UH Attendees (November 2013)
55. Robert Noyce Internship – 13 Students (Summer 2013)
56. National Science Foundation Robert Noyce Teacher Scholarship National Conference – 2 UH Attendees and Presenters (May 2013)
57. UTeach National Conference – 2 UH Presenters and Attendees (May 2013)
58. Science Teachers Association of Texas Conference – 10 UH Attendees (November 2012)
59. UTeach National Conference – 2 UH Presenters and Attendees (May 2012)

### **CERTIFICATIONS**

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Texas Secondary Science Composite 6-12, 1994 - present

Texas Gifted and Talented Training and Certification, 2002

California Secondary Math, 1993

California Secondary Science, 1993

Pennsylvania Instructional I Certificate: Secondary Science, 1990

### **PROFESSIONAL MEMBERSHIPS**

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*American Association for the Advancement of Science*

*American Association of College Teacher Educators*

*American Association of Physics Teachers*

*American Educational Research Association*

*International Study Association on Teachers and Teaching*

*Physics Teacher Education Coalition*

*UTeach STEM Educators Association*