

List of Publications

National Science Foundation DUE Award #1240083

Recruitment, Preparation and Retention of STEM Students as High School Teachers

PI - Donna Stokes, Co-PI – Paige Evans and Evaluator – Cheryl Craig

1. Preparing teachers to teach the STEM disciplines in America's urban schools. *Advances of research in teaching* (Vol. 35), Craig, C., Evans, P., **Stokes D.**, Bingley, UK: Emerald Publishing Limited (2021).
2. Overview of the book, Craig, C., Evans, P., **Stokes D.**, In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
3. Overview of the teachHOUSTON program, Evans, P., Craig, C. J., **Stokes, D.** & Morgan, J., In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
4. Collaboration between a physics professor and a physics teacher/teacher educator, **Stokes, D.** & Evans, P., In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
5. A narrative inquiry into teaching physics as inquiry: One teacher's journey, Evans, P., **Stokes, D.**, & Craig, C.J., In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
6. Enhancing preservice teacher preparation through formal and informal learning experiences, **Stokes, D.** & Evans, P., In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
7. Examining the impact for informal experiences on preservice teacher's self-efficacy. Evans, P. McAlister-Shields, L., Manuel, M., Craig, C. J., **Stokes, D.** and Nguyen, H., In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
8. Parent's Influence on Undergraduate and Graduate Students' Entering the STEM disciplines and STEM careers, Craig, C. J., Verma, R., **Stokes, D.**, Evans, P. and Abrol, B., In *Preparing Teachers to Teach the STEM Disciplines in America's Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).

9. In Praise of “unsung teachers”: Teachers’ Influences on Students Enrolled in STEM programs with the intent on Entering. Craig, C. J., Evans, P., Verma, R., **Stokes, D.** and Li, Jing, In *Preparing Teachers to Teach the STEM Disciplines in America’s Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
10. The Influence of Professors on Students Enrolled in the STEM Programs with the intent of Embarking on STEM Careers. Li, J., Evans, P., Craig, C., **Stokes, D.**, Verma, R., and Zhu, G., In *Preparing Teachers to Teach the STEM Disciplines in America’s Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
11. The Value of STEM Scholarship Grants to Undergraduate and Graduate Students Intending to Study the STEM Disciplines and Pursue STEM Careers. Li, J, Craig, C. J., Gale, T., Norton, M., Gang, Z., Evans, P., **Stokes, D.** & Verma, R., In *Preparing Teachers to Teach the STEM Disciplines in America’s Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
12. Where are the teachHOUSTON preservice candidates now? Are they still in the urban teacher force? Evans, P., Manuel, M., Nguyen, H., **Stokes, D.**, Craig, C. J., Han, X., & Morgan J., In *Preparing Teachers to Teach the STEM Disciplines in America’s Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
13. Final words. In *Preparing Teachers to Teach the STEM Disciplines*, Craig, C., Evans, P., **Stokes D.**, In *America’s Urban Schools*. *Advances of research in teaching* (Vol. 35). Bingley, UK: Emerald Publishing Limited (2021).
14. Learning and Leading as Collaborative Physics Education/Physics Partners: Building a Physics Teacher Education Program, **Donna W Stokes** and Paige K Evans, Chapter in Craig, Cheryl J., Turchi, Laura, McDonald, Denise M (Eds.), *Cross-Disciplinary, Cross-Institutional Collaboration in Teacher Education*. Cham: Palgrave Macmillan, p 271-284 (2020).
15. The Gordian Knot of Teacher Induction: When Context Trumps Teacher Preparation and the Desire to Teach, Cheryl J. Craig, Paige Evans, Jing Li and **Donna Stokes**, A chapter in Denise McDonald (Ed.), *Facing Challenges and Complexities in Retention of Novice Teachers*, *Information Publishing*, Charlotte, North Carolina (2018).
16. A tribute to ‘unsung teachers’: teachers’ influences on students enrolling in STEM programs with the intent of entering STEM careers, Cheryl J Craig, Paige Evans, Rakesh Verma, **Donna Stokes**, and Jing Li, *European Journal of Teacher Education*, DOI:10.1080/02619768.2018.1523390 (2018).
17. The influence of parents on undergraduate and graduate students’ entering the STEM disciplines and STEM careers, Cheryl J. Craig, Rakesh Verma, **Donna Stokes**, Paige Evans

and Bobby Abrol, *International Journal of Science Education*, DOI:10.1080/09500693.2018.1431853 (2018).

18. The embodied nature of narrative knowledge: A cross-study analysis of embodied knowledge in teaching, learning, and life knowledge in teaching, learning, and life, Cheryl J. Craig, JeongAe You, Yali Zou, Rakesh Verma, **Donna Stokes**, Paige Evans, Gayle Curtis, *Teaching and Teacher Education*, 71, 329 (2018). **Received the American Education Research Association Narrative Special Interest Group Outstanding Paper Award 2019.**
19. Developing STEM Teachers through both Informal and Formal Learning Experiences, **Stokes, D.**, Evans, P. and Craig, C., Search and Research: *Teacher Education for Contemporary Context*. Editors Juanjo Mena, Ana Garcia Valcarcel, Francisco Garcia-Penalvo and Marta Martin del Pozo, Publiusher Ediciones Universidad de Salamanca (2017).
20. Attracting, preparing and retaining teachers in high need areas: A science as inquiry model of teacher education, Craig, C., Evans, P., **Stokes, D.** and Bott, S., Chapter in M. Peters, B. Cowie and I. Mentor (Eds.) *A companion to research in teacher education*, New York, NY: Springer Publishing. (2017).
21. Recruitment, Retention and Preparation of Secondary Physics and Chemistry Teachers. **Stokes, D.**, Evans, P., Craig, C., and Bott, S., *American Physical Society Forum on Education Newsletter* (Fall 2016).