

Bradley Bostick, Ed.D.
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Summary

- Experienced educator with extensive pedagogical expertise in developing, training, and supporting teachers in STEAM content.
- Proficient in utilizing differentiated and innovative content delivery strategies to improve STEM teacher pedagogy and student performance as measured by statistical means and formative assessment.
- Extensive experience developing and implementing both curriculum and professional development using virtual and face-to-face instruction using a variety of software suites.
- Expertise in grant writing, oversight and management.
- Astute at building professional relationships utilizing effective communication skills as well as working collaboratively through partnerships and grant funding to achieve a shared goal.
- Experienced life-long learner and academic researcher with a successful history of working under specific time constraints in both professional and personal learning environments.

Education

- Ed.D. Leadership and Innovation 2013
Dissertation: Using Social Media as a Tool for Novice
Teacher Collegiality and Improved Self-Efficacy
Arizona State University, Tempe, Arizona

- M.A.Ed. Curriculum and Instruction 2000
Thesis: Restructuring High School Science Core Curriculum
For Homebound and Home-Based Learners
University of Phoenix, Phoenix, Arizona

- B.S./M.S. Microbiology/Veterinary Sciences 1998
University of Arizona, Tucson, Arizona

Career History and Accomplishments

Secondary Region Lead, Clinical Assistant Professor **08/2020-Present**
Arizona State University

- Supervision and support of clinical site leads including mentor teacher professional development and student teacher support and evaluation
- Development, evaluation and coordination of multiple education courses in the Mary Lou Fulton Teachers College course catalog
- Graduate and undergraduate course instruction including the areas of STEM/STEAM, student teaching, ELL, and tech literacy
- Dissertation committee chair, pedagogical support for grant initiatives and numerous curriculum redesign projects

iTeach ELLs – PBL/STEM Lead Instructional Coach

6/1/2016 – 08/2020

Arizona State University

- USDOE awarded 3 million dollar grant management and oversight, including implementation and budgetary concerns
- Coached University faculty on strategies to teach culturally and linguistically diverse students through a language-based theory of learning
- Developed Problem-Based Enhanced Language Learning (PBELL) curriculum and content to support the delivery of rigorous content and language to English Language Learners in a Problem-Based Learning format
- Presented PBELL and Instructional Coaching content at both local and national conferences

Engineering STEM Identity – Pedagogical Content Knowledge Expert

5/1/2014 – 6/1/2016

Maricopa County Education Service Agency

- Oversight and management of grant funding and implementation
- Conducted differentiated professional development for teachers across ten local education agencies implementing the Engineering STEM Identity (ESI) Program
- Recruited, trained and retained STEM Professionals for classroom interactions using video technology
- Facilitated all communication between STEM Professionals and classroom teachers in the ESI program
- Provided pedagogical content knowledge support to educators
- Trained in the Kids at Hope Youth Development Master's Institute to support at-risk youth in their educational goals

Clinical Associate Professor

8/1/2008 – 2014

Arizona State University

- Twice nominated and twice a finalist for the Graduate and Professional Student Association Teaching Excellence Award.
- Certified by the Intel Teach Program as a Master Instructor.
- Developed and strengthened the teacher preparation program through research and innovative practice.
- Supervision responsibilities of more than 300 first and second year intern teachers placed in high-poverty, inner-city school districts.
- Facilitated a partnership between ASU and the Audubon Society and the Arizona Science Center to introduce high-poverty inner-city students to the Rio Salado project and Science Museum.
- Innovation Challenge Team Leader – qualified to the final round of selections
- Teaching responsibilities include graduate level face-to-face and online course instruction, course content improvements, and course coordination with course evaluation scores average 3.98/4 since 2008.

High School Science Instructor

2000 – 2008

Paradise Valley Unified School District

- AP Science Instructor and Pre – AP Course instructor/developer for the AP Summer Desert Institute
- Arizona Secondary Science Teacher Certificate – General Science and Biology
- Chair – North Central Accreditation
- Technology Liaison to the Paradise Valley Unified School District
- Designed and implemented online science courses for Paradise Valley Online School.

Selected Publications and Presentations

Bostick, B. (2013). *Using social media and professional learning communities as tools for novice teacher collegiality and improved self-efficacy*

Bostick, B. (November 2018). *To Tweet or Not to Tweet: The Art of Persuasion*. ADE ESSA Conference (Tucson, AZ).

Bostick, B. & Farr, W.J. (March 2017). PBELL: Ensuring 100% of content is accessible to 100% of students. Carnegie Foundation for the Advancement of Teaching (San Francisco, CA).

Bostick B. & J. Hengesbach (2015). *Classroom Connections – Video to Join Rural and Middle School Classrooms*. Paper presented at The Arizona Science Teachers Association, Northern Arizona University, 6-7 November.

Bostick, B. & Lund, S., & Saltmarsh, S. (2017). Problem-Based Enhanced-Language Learning: Ensuring Access to Both Language and Content. This research was supported by a grant from the Department of Education – Teacher Quality Partnership Program within the Center for the Advancement of Teaching.

Bostick, B & J. Hengesbach (2015). *Solid Foundations – Finally an Integrated Modeling Middle School Curriculum*. The Arizona Science Teachers Association, Northern Arizona University, 6-7 November.

Kisicki, T., Bostick, B., & Giacumo, L. (2011). *Engaging Teachers 140 Characters at a Time*. In Proceedings of World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education 2011 (pp. 1367-1371). Chesapeake, VA: AACE.

Hernandez, J., Baca, M., Bostick, B., Jimenez-Silva, M., & Lund S. Poster session: *Mapping the Future of Teacher Preparation toward Addressing Educational Opportunity Gaps for Emerging Bilingual Learners*. Arizona Educational Research Organization. December 2016.

Lund, S. & Bostick, B. (October 2017). Enhancing the Science Classroom with Language and Problem Based Learning. Arizona Science Teachers Association (Phoenix, AZ).

Lund, S. & Bostick, B. (October 2016). PBELL (Project Based Enhanced Language Learning): Building on a Classic. Center for the Art & Science of Teaching (Scottsdale, AZ).

Lund, S., Saltmarsh, S & Bostick, B. (April 2018). *Meeting the needs of English language learners through a community-based learning approach*. Annual American Education Research Association Meeting (New York, NY).

Lund, S. & Bostick, B. (October 2017). Enhancing the Science Classroom with Language and Problem Based Learning. Arizona Science Teachers Association (Phoenix, AZ).

Lund, S., Bostick, B. & Saltmarsh, S. (2018). Demolishing Traditional Approaches to Science Instruction. *Science Scope*, 42 (4), 53-59.

Thibault, M., Saltmarsh, S., Lund, S., & Bostick, B., Farr, W.J. (November 2018). *To Tweet or Not to Tweet: The Art of Persuasion*. National Council for Social Studies (Chicago, IL).

Thibault, M., Saltmarsh, S., Lund, S., & Bostick, B., Farr, W.J. (November 2018). *The Zaatari Refugee Camp: A Call to Action*. National Council for Social Studies (Chicago, IL),

Academic Grants and Awards

2007 - Awarded proposal for \$45,730 – College of Teacher Education & Leadership Education Downtown – Engaging Urban K-12 Students in Natural Science to collaborate with the Audubon Society of Arizona to fund Title 1 school field trips to the new Audubon Center at Rio Salado.

2014 – Investing In Innovation (I³) Award

2016 – National Association of Counties Achievement Award – Engineering STEM Identity

2016 – National Science Foundation Grant Awarded with Dr Pingbo Tang – Automatic change analysis of civil infrastructures – a partnership with Ira Fulton School of Engineering and rural Arizona K-8 schools.

2019 – Global Ties Arizona/World Affairs Council – Citizen Diplomat Award for work and contributions to the International Visitor Leadership Program.

2019 - Recipient of the 2019 President's Award for Innovation at Arizona State University.

References:

Wendy Farr, Ph.D.

Director – Arizona State University Mary Lou Fulton Teachers College

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Brian Hoffner

STEM Professional Development Coordinator

Maricopa County Education Service Agency

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Jeff Hengesbach

Physical Sciences Instructor

Estrella Mountain Community College

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