



**PRAIRIE VIEW
A&M UNIVERSITY**

**Curriculum Vitae
February 2024**

Faculty Name:	Beverly A. King Miller, PhD		Work Address:	P.O. Box 519; MS 1060 Prairie View, TX 77446
Position Title:	Assistant Professor Science Education Science Coordinator, Dept. of Curriculum and Instruction			
Office Location:	Delco 314			
Office Phone:	936-261-3606			
Email Address:	bamiller@pvamu.edu			
Language	English and Spanish			
Education:	Degree and Area of Study	Institution Name	Degree Date	
	PhD – Multicultural Teacher and Childhood Education. Science Concentration.	University of New Mexico	May 2013	
	National Louis-University	Master of Arts in Teaching: Concentration in Biological Science.	June 1992	
	Nyack College	Bachelor of Arts, Psychology	May 1985	
Teaching Experience	Position Title	Institution Name	Position Dates (Beginning and End)	
	Assistant Professor, Science Education	Prairie View A&M University	January 2022- Present	
	Assistant Professor	Georgia Southern University	August 2018 to December 2021	
	Alternative Teacher Licensure Faculty	Central New Mexico Community College	August 2015- 2018	
	Post-Doctoral Fellow	University of Johannesburg	January 2014- December 2015	
	Middle/High School Science Instructor and Department Chair	University of New Mexico Charter school	2007 – 2013; 2016-2018	
Professional Publications				
Book Chapter	King Miller, B.A., Haaf, J., Hill, A., (2023). Design, Development, Implementation, Reflection and Praxis: Developing a Social Justice Curriculum for English Language Learners in Panamá. In S. Blackman (Ed.), <i>Equitable Education for Marginalized Youth in Latin America and the Caribbean</i> (pp.207-236). Routledge Research on Educational Equity in Developing Nations.			

	King Miller, B. A. (2022). Look at What I Have Created! 5P Social Justice Model for Underrepresented Students in STEM. In B. Sande, & C. Kemp (Eds.), <i>Collaborative Models and Frameworks for Inclusive Educator Preparation Programs</i> (pp. 90-114). IGI Global. https://doi.org/10.4018/978-1-6684-3443-7.ch006
Book Chapter	King Miller, B.A. (2021). <i>All Means All: An Inclusive Educational Model for Panama to address the need for STEM and Literacy</i> . https://www.infoagepub.com/products/The-Handbook-on-Caribbean-Education
Book	King Miller, B. (2022). <i>Global Unsung Heroes of STEM and Other Careers</i> . Kotokoraba LLC
Peer Reviewed Publications	
	King Miller, B. (2022). Education: Value is Determined by Sacrifice. Paper presented April 2022 annual meeting of the American Educational Research Association. Retrieved on: October 8, 2022, from the AERA Online Paper Repository.
	King Miller, B. A., Stevenson, A. D., & Casler-Failing, S. L. (2021). Expanding STEM membership: Using science process skills in a social justice curriculum to combat stereotype threats and build self-efficacy in African American Students. <i>Journal of Educational Research and Practice</i> , 11, xx–xx. https://doi.org/10.5590/JERAP.2021.11.1.xx
	Casler-Failing, Shelli L.; Stevenson, Alma D.; and King Miller , Beverly A. (2021) "Integrating Mathematics, Science, and Literacy into a Culturally Responsive STEM After-School Program," <i>Current Issues in Middle Level Education: Vol. 26 : Iss. 1</i> , Article 3. DOI: 10.20429/cimle.2021.260103. Available at: https://digitalcommons.georgiasouthern.edu/cimle/vol26/iss1/3
	King Miller, B. (2020). Walking in two Worlds: An Auto Ethnographic Reflection of Establishing a STEM Program in Panama City, Panama. <i>Journal of Multicultural Perspectives</i> . 22, 4,220-226. DOI: 10.1080/15210960.2020.1845174.
	King Miller, B. (2020). Transgressing for Access: A Call for Higher Education Reform to Support Black Females in STEM. <i>Journal of Interdisciplinary Sciences</i> , 4, 1, 9-27.
	King Miller, B. (2018, December 31). Caribbean Writers Journal [Review of the book, <i>Force Ripe</i> , by Cindy McKenzie] <i>Force Ripe</i> , 2015, 1-319.
	King Miller, B. (2017). Navigating STEM: Afro Caribbean Women Overcoming Barriers of Gender and Race. <i>Sage Open</i> . October – December 1-14. Doi: 10.1177/2158244017742689
	King Miller, B. (2016). Why do we have to choose: Afro Caribbean's navigating the Intersections of Space and Home. <i>The Caribbean Writer</i> , 30, 225-231. University of the Virgin Islands: The Caribbean Writer.
	King Miller, B. (2015). Effective Teachers: Culturally Relevant Teaching from the Voices of Afro Caribbean Immigrant Females in STEM. <i>Sage Open</i> . July-September 2015, 1-14. Doi: 10.1177/2158244015603427.
	King Miller, B. "The Experiences of Panamanian Afro-Caribbean Women in STEM: Voices to Inform Work with Black Females in STEM Education." (2013). https://digitalrepository.unm.edu/educ_llss_etds/54

Manuscript in Review	
	King Miller, B.A., CS. Burnett, Jones, M. (Sept. 2023). <i>This is just a field trip, right?</i> An HBCU Teacher Preparation Program Using Field trips to Enhance STEM Content Knowledge and Acquisition(Sept. 2023). Journal of Experiential Learning
In Progress	
	King Miller, B.A. Crayton, M, Burnett, CS., Sande, B., Butler, D. Bryant, J. One and Done: <i>Moving Teacher Candidates through the Teacher Preparation and Certification Program at an HBCU Institution in Texas</i> . Manuscript
	King Miller, B. <i>Embracing Panama: A guide to Cultural Respect and Understanding</i> . In Review. Book
	King Miller, B. Between Two Oceans: Using Autoethnography and Photovoice in the telling of an HBCU Study Abroad program to Panama. Book Chapter.
Conference Presentations	
	King Miller, B.A., Gay, K., Hussein, F., Gonzalez, N. (Feb. 7-10, 2024). <i>Aquaponics in STEAM: Building an Agricultural Ecosystem for fish and plants from 2D to 3D Collaborations and Engagements</i> . 30 th Annual NASA Space Exploration Educators Conference. Houston, TX.
	King Miller, B.A., Crayton, M. Burnett, C., Sande, B. (Feb. 1-4 2024). <i>One and Done: Moving Teacher Candidates through the Teacher Preparation and Certification Program at an HBCU Institution in Texas</i> . 41 st Research Association of Minority Professors Conference. Washington, D.C.
	Burnett, C., King Miller, B.A., Jones, Marilyn. (Oct. 2023). <i>Are we there yet?</i> A field trip to a makerspace lab. 30 th Annual HBCU Conference. Houston. TX.
	King Miller, B.A., Auguste, J., Williams, J., Law, D., Stewart, S., McConic, T., (Feb, 2023). Undergraduate and Graduate Level Presentations for 40 th Annual RAMP (Research Association of Minority Professors). Houston, TX.
	King Miller, B.A., Coates, K. (March 2023). The Concept We Map: ACRL + Whole Child Strategy for Pre-Service Teacher Education Training. Georgia International Conference on Information Literacy. International Conference. Virtual Forum. Georgia Southern University, Statesboro, GA.
	King Miller, B.A. (October, 2022). <i>Virtual Shift: Instructional Strategies for Teaching Science Methods</i> online. 29 th National HBCU Faculty Development Network Conference. Houston, TX.
	King Miller, B.A. (June, 2022). <i>Ventaja Panama: Educational Strategies to Support STEM and Literacy among Underrepresented Students in Panama</i> . NAAAS & Affiliates International Conference of the Americas.
	King Miller, B. A. (April, 2022). Value is Determined by Sacrifice: The cost of Educational Attainment for Panamanian Afro Caribbean's. AERA. San Diego, CA.
	Coates, K. & King Miller, B.A. (March, 2022). <i>Faculty Coacting: Merging Information Literacy with Inclusive Pedagogy</i> . Georgia International Conference on Information Literacy. International Conference. Virtual Forum. Georgia Southern University,

	Statesboro, GA.
	King Miller, BA. (October 29, 2021): Value is Determined by Sacrifice: The cost of Educational Attainment for Panamanian Afro Caribbeans. AERA CASE SIG Virtual Global Africa Gathering.
	Coates, K. & King Miller, B.A. (March 2021). <i>Information Literacy Reimagined. Deep Learning Practice</i> . Georgia International Conference on Information Literacy. International Conference. Georgia Southern University, Statesboro, GA.
	King, Miller, B. A. He Fang, M., Ru Li, Whitfield, A. (Oct. 2020). <i>Promoting Social Justice through Teacher Education and Curriculum Development and Implementation</i> . Georgia Educational Research Association (GERA). Presenters. Virtual Conference.
	King Miller, B.A. (April 2020). <i>Entering, Expanding and Surviving Spaces: Insights from lessons learned from a Post-Doctoral Fellowship in South Africa</i> . Faculty Women of Color in the Academy National Conference. Poster presentation. Blacksburg, VA.
	King Miller, B.A. (October 21, 2019). <i>Scaffolding science process skills in an after-school program to build self-efficacy and scientific literacy</i> . Georgia Southern University Physics and Astronomy Dept. Colloquium presenter. Statesboro, GA, USA.
	King Miller, B.A., Huff, J. & Hill, A. (October 4, 2019). <i>University Professor, University Pre-Service Teacher and Practicing Teacher: An Integrative Collaboration to Bring STEM and Literacy to English Language Learners</i> . Georgia Educational Research Association, Georgia, USA.
	King Miller, B. A. (March 5, 2019). <i>Ventaja (Advantage) STEM Programs: Bringing STEM to Underrepresented Second Language Learners</i> . Conference presenter 30 th Annual National Youth-At- Risk Conference, Savannah, GA, USA.
Additional Trainings	
	ManuscriptsWorks Book Proposal Writing Workshop by Laura Portwood Stacer Spring 2023
	Online CIITS Course Quality Matters Review and Certification. Prairie View University. Summer 2022
	Teaching Online Certificate course completion, Georgia Southern University Fall 2018
	Center for Teaching Excellence, Georgia Southern, completed badge for Capstone courses completion and reflection. 2018-2019
Awards	
	2024, February 22, 2024, Chancellor’s Academy of Teacher Educators by Chancellor’s Century Council. Texas A&M University System. College Station, TX
	2021, August 17 Award for Ventaja Statesboro Camp Insight Into Diversity Award - https://coe.georgiasouthern.edu/blog/2021/08/17/georgia-southern-education-faculty-receives-2021-inspiring-programs-in-stem-award-from-insight-into-diversity/
	2021, August for Commitment to Diversity Award -Georgia Southern University.

	https://coe.georgiasouthern.edu/blog/2021/08/19/beverly-miller-receives-the-colleges-commitment-to-diversity-award/
	2018, May for Teacher of the year Award from Albuquerque Institute for Math and Science.
	2018, February for City of Albuquerque Community Citizens Award Albuquerque, NM.
	2013 for Cyril Taylor Mentor Teacher award for Science and Engineering Fair, Alb, NM 2011- College of Pharmacy, University of New Mexico for International Science Fair Student winner. Alb, NM
	2000 for University of Illinois Cooperative Extension Program Award. Garden and Greenhouse Project at Dixon Elementary School. Chicago, IL
	2008-2009- Department of Teacher Education nominee for the Susan Deese-Roberts Outstanding Teaching Assistant Award, University of New Mexico.
Media	
	2019, August – <i>Paying it Forward</i> article in Georgia Southern University news. ..\VentajaJuly 2019\Paying it forward- Georgia Southern pro...Newsroom Georgia Southern University copy.pdf
Funded	Burnett, C. (PI), Foster, L. (co-PI), Block, H. (co-PI), King Miller, B. (co-PI), & Sande, B. (co-PI). (2023-2028) . <i>Building a Community of URM Mathematics and Science Teachers</i> [NSF Grant - Funded]. \$1.2 million.
Funded	King Miller, B. (August 2022-2023). Undergraduate and Graduate Research Assistants. Funded by Research and Innovation Development Office, Prairie View A&M University. \$20,000.00
Not Funded	January 2023- King Miller, B & Greer, K. (Co-PI). NSF Grant. Award amount: \$1.9 million dollars. Title: <i>E-STEM Shift: Empowering, Equipping and Expanding to shift the underrepresentation of those of African descent and Latinx heritage in STEM.</i>
Funded	King Miller, B. (June 2022). Proposal Title: TEXSTEM: Producing PV STEM Teachers for the 21 st Century Student. RAPID Program Research Proposal Grant. Prairie View University. \$5000
Funded	Fonjweng, G. Nzewi E., Miller, B. (2022-2023). IAEA and DOE Secondary School Teachers 3-week Training. (March 2023). Funded for Curriculum Development project. Dept. of Energy. \$110,000.00
Funded	King Miller, B. (Principal Investigator). “Unsung Heroes of STEM: What are the experiences of underrepresented AA and Latinx students attending a University STEAM camp employing Culturally Relevant Teaching?” NYAR Research Grant, January to June 2020. Grant will be used to implement a Ventaja Statesboro summer camp for students. It targets African American and Hispanic students underrepresented in STEM. Summer 2020. \$5000.

Service to Community	
	Society of Science, (2023-2025). Judging Advisory Committee Member for Regeneron ISEF, 3-year appointment, Washington, DC.
	AERA Committee (2022-2023), Program Chair, Special Interest Group: Caribbean and African Studies in Education, American Educational Research Association.
	Regeneron International Science and Engineering Fair (ISEF), Local Outreach Committee Member (2022-2023), Dallas, TX.
Service to the Profession	
	Dissertation Committee. Content Specialist: (2024-) Georgia Southern University. For Inga Cashon, Chair Dr. Peggy Shannon-Baker
	Dissertation Committee Member (2019- present). Georgia Southern University. For: Rebecca Hein, Chair Dr. D. Liston and Sonya Griffin, Chair, Dr. S. Ross.
	Dissertation committee Member (July 2019-June 2021). Georgia Southern University. For: Irina Tedrick, Dissertation Chair: Dr. P. Shannon-Baker.
	Dissertation committee (July 2018-June 2020). Content Specialist for Margery Saize, Grand Canyon University. Dissertation Chair: Dr. A. Harris.
	Reviewer for The Urban Review journal (2019). URRE- D- 19-00087' In pursuit of meaningful relationships: How Black males perceive faculty interactions in STEM"
	Reviewer for The Urban Review journal (2019). URRE- d-19-00007R1' socially toxic environments: Engagement in a YPAR project exposes issues that affect urban Black girls' educational pathway and racial identity development.
	Reviewer for Proposals for NYAR Conference, 2019, 2020.
	ISTEM Fest Booth organizer with pre-service teachers for regional elementary and middle school students. 2018, 2019, Georgia Southern University.
	Peer Reviewer for <i>Journal of Education Society and Behavioral Science</i> . Certificate number: 34946. (2017).
	Intel/ISEF and Regional/International Science Fair Judge. Albuquerque, NM. (2007-2018).
Service to Community	
	Executive Director, <i>Ventaja (Advantage) Educational Services</i> (2017 to present). Director for Science/Math and Literacy Camp for ELL students in Panama City, Panama. Website: ventajaeducation.org.
	Lights on in Puerto Rico. (2017). <i>Ventaja Educational Services</i> in partnership with 3 local schools, churches in Albuquerque, NM provided over 1200 flashlights, food and clothes to a village community in Puerto Rico after hurricane Irma and Maria. For media coverage see: ventajaeducation.org.

Invited Talk University	
	Colloquium Presenter to College of Physics (October 2019). <i>Scaffolding Science Process Skills in an After-School Literacy in STEM program to build self-efficacy and scientific literacy.</i> Georgia Southern University.
Teaching Courses	
	Prairie View A&M University CUIN- Educational Psychology CUIN- Assessment and Planning CUIN- Behavior Management and Assessment EDFN- Foundations of Educational Research CURR –Methods of Science Teaching CUIN- Behavior Management and Assessment- Secondary/PTA Science CURR – Science for Teachers CURR- Science Special Topics/ Study Abroad STEM Camp in Panama
	Georgia Southern University ELEM- Methods of Science ELEM- Internship I Field Experience ELEM- Internship II and Seminar Field Experience MED -Advanced Science Methods MAT ELEM- Methods of Science MAT- Internship Field Experience ECED- ELEM MAT Internship II EDAT – Framework for Teaching EDUC – Study Abroad to Panama
	Central New Mexico Community College EDUC -Supervised Field Experience, EDUC- Effective Teaching, EDUC- Computers/Technology for Teachers. EDUC- Child Development. MSE- Life Science for Teacher MSE- Physical Science for Teachers MSE– Environmental Science for Teachers. CDV – Early Care Education and Family Support class and State Certification.
	University of New Mexico EDUC 353L- Methods of Teaching Elementary School Science, EDUC 453L – Methods of Teaching Elementary School Science.

	Nyack College Bio- General Biology
Committees at PVAMU	
	Faculty Senate-(2022- present). Vice Secretary (Oct. 2023), Faculty Handbook Committee Chair (Sept. 2023)
	University Curriculum Committee (2022- present)
	Council for Accreditation for Educator Preparation (CAEP) Committee(Fall 2023- present)