

Katie Lynn Brkich, PhD
PO Box 8134
Statesboro, GA 30461

kbrkich@georgiasouthern.edu
912-478-7689 (W)

Educational Background

University of Florida, College of Education

Gainesville, FL

Doctor of Philosophy in Education

Graduated, August 2011

Major: Curriculum and Instruction (Elementary Science Education)

Dissertation: Making Connections Between Formal School Earth Science and Lived Experiences: An Investigation of Urban Fifth Graders

University of Florida, College of Education

Gainesville, FL

Master of Education

Graduated, May 2004

Concentration: Elementary Science Education

Professional Areas of Certification: Elementary Education K-6

University of South Florida, College of Arts and Science

Tampa, FL

Bachelor of Science

Graduated, December 2002

Concentration: Honors Environmental Science and Policy

Thesis: Discovery Learning Lesson Plans for Science Field Trips to Cross Bar Ranch

Financial Awards and Honors

Georgia Board of Regents, 2015 Affordable Learning Georgia Initiative

As part of my efforts to deliver the highest quality and most cost-effective P-5 science teacher education experience, I was nominated for and won the Georgia Board of Regents Affordable Learning Georgia Initiative award for innovating the use of instructional texts to move away from traditional textbook-based course design.

Georgia Southern University, 2015 College of Education Partnership Council Award

As part of my ongoing collaborations with Ms. Tamra Lamb at Langston Chapel Elementary School in developing effective P-5 science instructional practices, I applied for and received a Partnership Council Award for travel to present our work at a regional conference. The award was for \$882.48.

Georgia Southern University, 2015 College of Education Program Innovation Award

In conjunction with my responsibilities as the program coordinator of the MEd Early Childhood Education program—and in collaboration with Dr. Julie Maudlin—I applied for and received funding toward the development of a fully-online Master's of Arts in Teaching in Early Childhood Education program.

Georgia Southern University, 2011 Faculty Committee Development Award

As part of an internal competition aimed at the professional development of faculty members' teaching, I applied for and received a Faculty Committee Development Award for the purchase of additional curricular materials for my ECED 4433, P-5 Science Methods course. The award was for \$500.39.

University of Florida Alumnus Fellow, 2007-2011.

These highly competitive and selective awards provide for full tuition reimbursement and a stipend of \$21,000 per annum for four years.

Professional Background

Georgia Southern University, College of Education

Statesboro, GA

Assistant Professor, August 2011-Present

Taught undergraduate- and graduate-level courses in P-5 science methods and content

Guest lectured in advanced graduate-level courses in qualitative research theory and methods.

Supervised EdS students' capstone research projects.

Supervised and mentored elementary teacher candidates during their field placements.

Produced scholarship on elementary science education focused on issues of diversity, equity, and access.

University of Florida, College of Education

Gainesville, FL

Alumna Fellow, August 2007-August 2011

Taught undergraduate- and graduate-level courses in P-5 science methods

Produced scholarship on elementary science education focused on issues of diversity, equity, and access.

Marjorie K Rawlings Elementary School, August 2005-June 2007 Gainesville, FL
5th Grade Classroom Teacher (Science Specialist)

South Ocala Elementary School, August 2004-June 2005 Ocala, FL
4th Grade Classroom Teacher

Littlewood Elementary School, August 2003-June 2004 Gainesville, FL
4th Grade Classroom Co-Teacher (Math/Science Specialist)

Licensures and Certifications

Florida Professional Teacher's Certification, Elementary Education, Grades K-6 (Exp. June 30, 2015).

Grants and Funded Scholarship

Submitted or Under Review

Under Revision or Unfunded

- *Gallard, A., Brkich, C. A., & **Brkich, K. L.** (2015, September, Unfunded). Technology-assisted STEM-C inquiry and instructional evaluation. *Submitted to the National Science Foundation under RFP-NSF-15-537. Budgeted value including F&A costs: ~\$1,500,000.*
- *Gallard, A., **Brkich, C. A.**, Brkich, K. L., & LaFrance, J. (2014, March, unfunded). Promoting a collaborative school-business partnership model for sustained STEM education. *Prepared for submission to the National Science Foundation under NSF-14-522. Budgeted value including F&A costs: \$1,475,624.00.*
- *He, M. F., Ross, S., Stevenson, A., & **Brkich, K. L.** (2013, September, unfunded). Cultivating culturally responsive and challenging pedagogy: Literacy across content areas. *Submitted to the Georgia Teacher Quality Grant Program.*
- *Gallard, A., Brkich, C. A., Underwood, S. J., & **Brkich, K. L.** (2013, March, unfunded). A problem-based learning experience of extreme weather and coastal resilience through NOAA resources for formal and informal science educators. *Under revision for submission to either NOAA or NSF. Budgeted value including F&A costs: \$999,493.00.*
- *Gallard, A., **Brkich, K. L.**, & Underwood, S. J. (2012, October, unfunded). Improving earth science instruction in late primary and early middle grades classrooms for Latino and migrant students through authentic problem-based learning. *Submitted to the Georgia Teacher Quality Grant Program. Budgeted value including F&A costs: \$17,264.00.*

Scholarship—Refereed Articles and Chapters

Published, In Press, and Accepted

- ***Brkich, K. L.**, Gallard, A., Pitts, W., Baynes, G., Claeys, L., Flores, B., & Stevenson, A. (2015, accepted). Latina parental involvement: Contributions to persistence in STEM fields. In B. Polnick, B. Irby, & J. Ballenger (Eds.), *Girls and women of color in STEM: Navigating the double bind*. Charlotte, NC: Information Age Publishing.
- ***Brkich, K. L.** & Lamb, T. (2015). A constant of change. *Science and Children*, 52(8), 37-43.
- *Brkich, C. A., Barko, T., & **Brkich, K. L.** (2014). Shadows of the past: Historical interpretation, propaganda awareness, and the story of Ender Wiggin. In P. Paugh, T. Kress, & Lake, R. (Eds.), *Toward teaching democracy with post-modern and popular culture texts* (pp. 221-238). Boston: Sense Publishers.
- ***Brkich, K. L.**, & Brkich, C. A. (2014). Chocolate choices. In M. L. Bentley, M. P. Mueller, & Martin, B. (Eds.), *Connecting children to nature: Ideas and activities for parents and educators* (pp. 165-184). Bethany, OK: Wood 'N' Barnes.
- Brkich, K. L.** (2013). Urban fifth graders' connections-making between formal earth science content and their lived experiences. *Cultural Studies of Science Education*, 9(1), 141-164.
- Brkich, K. L.** (2012). Is concrete a rock? *Science and Children*, 50(4), 80-82.
- Brkich, K. M.**, Shumbera, K., & Beran, B. (2010). Action research: Buddy science. *Science and Children*, 47(9), 47-51.
- Klosterman, M. L., Mesa, J. C., & **Milton, K.** (2009). Cell towers and songbirds. *Science Scope*, 33(3), 34-41.
- Pringle, R. M., **Brkich, K. L.**, Adams, T., West-Olatunji, C., & Archer-Banks, D. (2012). Factors influencing elementary teachers positioning of African American girls as science and mathematics learners. *School Science and Mathematics*, 112(4), 217-229.

Pringle, R. M., **Milton, K.**, Klosterman, M. L., & Hayes, L. (2010). Collaborative distance learning. *Science and Children*, 47(9), 52-56.

Under Review, Revision, or Production

Stevenson, A., Gallard, A., **Brkich, K. L.**, Flores, B., Claeys, L., & Pitts, W. (under production). Latinas' heritage language as a source of resiliency: Impact on academic achievement in STEM fields. *An article to be submitted to Cultural Studies in Science Education*.

Brkich, K. L. & Allen, M. (under production). Improving P-5 science teacher education through improved inquiry-based microteaching. *An article to be submitted to a venue TBD*.

Brkich, K. L. (under production). High school and college Latinas' resilience, persistence, and positioning in STEM fields. *An article to be submitted to a venue TBD*.

Brkich, K. L. (under production). Three equity-based science interventions and their effects on teacher candidates' attitudes and beliefs. *An article to be submitted to a venue TBD*.

Conference Presentations

Submitted but Not Yet Presented

*Gallard, A. J., Pitts, W. B., Claeys, L., Bustos Flores, B., **Brkich, K. L.**, & Stevenson, A. (2016, April). *Science for all: Challenges, practices, and spaces of possibility for creating inclusive science learning environments*. Paper presented at the American Educational Research Association. Washington, DC.

*Gallard, A. J., Pitts, W., **Brkich, K. L.**, Claeys, L., Flores Bustos, B., & Stevenson, A., (2016, March). *Resiliency: The canary in the coal mine*. Paper presented at the National Association for Bilingual Education. Chicago, IL.

National and International

*Gallard, A. J., Pitts, W., Ramos de Robles, S. L., Flores Bustos, B., Claeys, L., & **Brkich, K. L.** (2016, February). *Rethinking intervention frameworks through the lens of contextual mitigating factors*. Paper presented at Understanding Interventions. Philadelphia, PA.

***Brkich, K. L.**, Koballa, T. R., Jr., & Brkich, C. A. (2016, January). *An ongoing examination of SoTL conference impact on university STEM faculty practices*. Paper to be presented to the Association for Science Teacher Education (ASTE). Reno, NV.

***Brkich, K. L.**, Koballa, T. R., Jr., & Brkich, C. A. (2015, April). *A naturalistic inquiry of SoTL conference impact on university faculty practices*. Paper presented to the American Educational Research Association. Chicago, IL.

***Brkich, K. L.**, Koballa, T. R., Jr., & Brkich, C. A. (2015, January). *Naturalistic inquiry in exploring conference effectiveness*. Paper presented to the Qualitative Report. Fort Lauderdale, FL.

***Brkich, K. L.**, Koballa, T. R., Jr., & Brkich, C. A. (2015, January). *The impact of SoTL conferences on university STEM faculty teaching practices*. Paper presented to the Association for Science Teacher Education. Fort Lauderdale, FL.

*Gallard, A. J., Pitts, W., Flores Bustos, B., Claeys, L., Baynes, G., **Brkich, K. L.**, Stevenson, A., & Wassell, B. (2014, December). *Resilience of first language speakers of Spanish and contextual mitigating factors*. Paper presented at the Urban Science Research Seminar. New York, NY.

Brkich, K. L. (2014, April). Invited Participant for the 8th Annual Springer Forum on Cultural Studies of Science Education. Philadelphia, PA: Temple University.

***Brkich, K. L.**, Gallard, A., Pitts, W., Baynes, G., Claeys, L., Flores, B., & Stevenson, A. (2014, April). *Latina parental involvement: Positionality and persistence in STEM fields*. Paper presented at the American Educational Research Association. Philadelphia, PA.

*Bayne, Gillian U., **Brkich, K. L.**, Claeys, L., Flores, B., Gallard, A., Pitts, W., & Stevenson, A. (2014, February). *Latinas' Resiliency: In Pursuit of STEM Fields*. Paper presented at the National Association of Bilingual Educators. San Diego, California.

Brkich, K. & Shumbera, K. (2014, January). *Buddy Science K-2-5: Action Research through Cross-Grade Explorations*. Paper presented at the 2014 International Conference of the Association of Science Teacher Educators (ASTE). San Antonio, TX.

Brkich, K. (2013, April). Invited Participant for the 7th Annual Springer Forum on Cultural Studies of Science Education. Rio Grande, Puerto Rico.

Brkich, K. (2013, January). *Chocolate Choices: An Interdisciplinary Elementary Role-play on Fair-Trade Chocolates*. Experiential Session presented at the 2013 International Conference of the Association of Science Teacher Educators (ASTE). Charleston, SC.

- Brkich, K.** (2012, April). *Making Connections between School Earth Science & Lived Experiences: An Investigation of Urban Fifth Graders*. Paper presented at the 2012 Annual International Meeting of the American Educational Research Association (AERA). Vancouver, British Columbia, Canada.
- Brkich, K.** (2012, January). *Experiencing Communication Barriers: An Experiential Lesson Developed for K-5 Preservice Teachers*. Experiential Session presented at the 2012 International Conference of the Association of Science Teacher Educators (ASTE). Clearwater, FL.
- Brkich, K.** (2011, April). *Highs and Lows in Using Auto-Driven Photo Elicitation as Data when Researching Urban Children and Earth Science*. Paper presented at the 2011 International Annual Meeting of the American Educational Research Association (AERA). New Orleans, LA.
- Brkich, K.** (2011, April). *Urban Fifth Graders Connecting Geoscience to their Spaces and Places*. Paper presented at the 2011 International Conference for the National Association of Research in Science Teaching (NARST). Orlando, FL.
- Brkich, K.** (2011, January). *“Is Concrete a Rock?: Urban Fifth Graders’ Questions and Issues in Relating Earth Science in School to Their Everyday Lives*. Paper presented at the 2011 International Conference of the Association of Science Teacher Educators (ASTE). Minneapolis, MN.
- Pringle, R., **Milton, K.**, Adams, T. A., LaFramenta, J., & West-Olatunji, C. (2010, January). *Talking About Science: Voices of Fifth Grade, African American Schoolgirls*. Paper presented at the 2010 International Conference of the Association of Science Teacher Educators (ASTE). Sacramento, CA.
- Pringle, R., Adams, T. A., West-Olatunji, C., **Milton, K.**, Shure, L., Lewis, D., & LaFramenta, J. (2009, April). *Beyond the School Grades: Positioning African American Schoolgirls as Mathematics and Science Learners*. Paper presented at the 2009 International Conference of the National Association for Research in Science Teaching (NARST). Garden Grove, CA.
- Klosterman, M. L., Mesa, J. C., & **Milton, K.** (2010, March). *Can You Hear Me Now? Using Cell Phones and Role Play to Promote Interdisciplinary Classroom Connections*. Paper presented at the 2010 National Conference of the National Science Teacher Association (NSTA). Philadelphia, PA.
- Klosterman, M., Mesa, J., **Milton, K.**, & Pennypacker, A. (2008, March) *P.O.E.T.R.Y. Using Scoring Guides to Assess Process Skills Across the Curriculum*. Presentation at the National Science Teacher Association (NSTA) National Conference. Boston, MA.
- Klosterman, M., Pringle, R. M., Hayes, L., & **Milton, K.** (2009, April). *CASES: A professional development experience for enhancing content and supporting inquiry-based science teaching in elementary classrooms*. Paper presented at the 2009 International Conference of the National Association for Research in Science Teaching (NARST). Garden Grove, CA.
- Pringle, R., Adams, T. A., **Milton, K.**, LaFramenta, J., West-Olatunji, C., Shure, L., Lewis, D., Archer-Banks, D., & Flesner, D. (2008, November). *Fifth Grade African American Females’ Positionality as Mathematics and Science Learners*. Paper presented at the Annual Convention School Science and Mathematics Association. Durham, NC.
- Pringle, R., **Milton, K.**, West-Olatunji, C., & Adams, T. A. (2009, January). *Impact of Adult Stakeholders on the Positionalities of African American Girls’ as Science and Mathematics Learners*. Paper presented at the 2009 International Conference of the Association of Science Teacher Educators (ASTE). Hartford, CT.
- Pringle, R. M. & **Milton, K.** (2008, January). *Inquiry-based science: Observed practices and missing pieces in a middle school curriculum*. Paper presentation at the Association for Science Teacher Education (ASTE) Annual International Conference. St. Louis, MO.

Regional

- **Brkich, K. L.** & Lamb, T. A. (2016, February). *Magnets or magic: Using science to teach argumentative writing*. Paper presented at the Georgia Science Teachers’ Association. Stone Mountain, GA.
- Brkich, K. L.** (2015, October). *“Oh, what fresh joy is this?: Teaching K-5 teachers science content*. Paper presented at the Southeastern Association for Science Teacher Education. Columbus, GA.
- **Brkich, K. L.** & Lamb, T. (2015, February). *A Constant of Change*. Experiential session presented at the 2015 Conference for the Georgia Science Teachers Association (GSTA). Macon, GA.
- Brkich, K.** (2014, February). *Chocolate Choices: An Interdisciplinary Elementary/Middle Role-play on Fair-Trade Chocolates*. Experiential session presented at the 2014 Conference for the Georgia Science Teachers Association (GSTA). Macon, GA.
- Brkich, K.** (2012, October). *Including Samuel: Elementary Teacher Candidates’ Perception Shifts on Inclusive Education*. Presentation at the 2012 Southeastern Association for Science Teacher Education (SASTE). Macon, GA.
- Brkich, K.** (2011, October). *Chocolate Choices: An Interdisciplinary Elementary Role-play on Fair-Trade Chocolates*. Poster presented at the 2011 Southeastern Association for Science Teacher Education (SASTE). Athens, GA.

- Milton, K.**, Klosterman, M., & Pringle, R. (2008, September). *Collaborative cultures from a distance: Examples and implications of using videoconference as a vehicle for maintaining school partnerships*. Paper presented at the Florida Association of Teacher Educators Conference. Orlando, FL.
- Milton, K.**, Brkich, C. A., & Masayda, S. (2008, September). *Keeping it Real: Helping Preservice and Inservice Teachers Understand Collaborative Authentic Instruction and Assessment for Active Citizenship and Critical Thinking*. Paper presented at the Florida Association of Teacher Educators Conference. Orlando, FL.
- Pringle, R. M., Klosterman, M., Hayes, L., & **Milton, K.** (2007, September) *CASES: Reorienting professional development for improving science teaching in elementary classrooms*. Presentation at the Southeastern Association for Science Teacher Education (SASTE). Valdosta, GA.

* Collaborative work with faculty colleagues.

** Collaborative work with students / former students.

Service

Professional Organizations—Leadership

SIG Chair. Research in Science Teaching and Learning SIG, *American Educational Research Association*. Term: 2015-2016.

Program Chair. Research in Science Teaching and Learning SIG, *American Educational Research Association*. Term: 2014-2015.

Program Co-Chair. Research in Science Teaching and Learning SIG, *American Educational Research Association*. Term: 2013-2014.

Graduate student representative. Research in Science Teaching and Learning SIG, *American Educational Research Association*. Term: 2010-2011.

Past President and Conference Coordinator. *Southeastern Association for Science Teacher Education (SASTE)*. Term: 2015-2016.

President. *Southeastern Association for Science Teacher Education (SASTE)*. Term: 2014-2015.

Program Chair. *Southeastern Association for Science Teacher Education (SASTE)*. Term: 2013-2014.

Chair. Women in Science Education (WISE) Forum, *Association of Science Teacher Educators (ASTE)*. Term: 2011-present.

Committee Member. Georgia Performance Standards Review Committee—Science Education. Term: 2015-present.

Committee Member. Georgia Assessments for the Certification of Educators® (GACE®) Bias Review Committee. Term: May 2013-present.

Committee Member. Next Generation Science Standards (NGSS) Review Board Committee. Term: 2012.

Professional Organizations—Research

AERA annual meeting session chair, 2012-present—Science Teaching and Learning SIG.

AERA annual meeting proposal reviewer, 2011-present—Science Teaching and Learning SIG.

ASTE annual meeting session chair, 2012-present—Science Teaching and Learning SIG.

ASTE annual meeting proposal reviewer, 2012-present.

NARST annual meeting proposal reviewer, 2010-2011.

University Service

Faculty Recruiter. Georgia Southern University Southern Scholar Showcase. (December 5, 2015)

Faculty Recruiter. Georgia Southern University Southern Scholar Showcase. (December 6, 2014)

Commencement Marshall. Georgia Southern University Commencement. Fall 2014, Spring 2015.

Committee member. University calendar committee. Term: 2013-2015.

Faculty advisor. Friends of Girl Scouts at Georgia Southern University. Term: 2013-present.

Event facilitator, 2nd and 3rd Annual i²Explore STEM Festivals at Georgia Southern University. Statesboro, GA. (September 20, 2014 and September 26, 2015)

Presenter, 2nd Annual *Eagle QuARC Speaker Series and Workshop Event* at Georgia Southern University. Statesboro, GA. (September 27, 2013)

Presenter. Georgia Southern University Fall Family Weekend Academic Department Fair. (September 27, 2013)

Event coordinator. 1st Annual i²Explore STEM Festival at Georgia Southern University. Statesboro, GA. (September 14, 2013)

College Service

Committee co-chair. Georgia Southern University College of Education Research Committee. Term: 2014-2015.

Committee member. Georgia Southern University College of Education Research Committee. Term: 2013-2014, 2015-present.

Local evaluator, edTPA. Georgia Southern University College of Education. Term: Summer 2014.

Visitation Day presenter and host. Georgia Southern University College of Education. Term: Spring 2014.

Faculty advisor. Student Professional Association of Georgia Educators (SPAGE) at Georgia Southern University. Term: 2013-present.

Departmental Service

Program Chair. MEd in Early Childhood Education, Term: 2014-present. Responsibilities include fielding emails, holding meetings, revising Key Assessment rubrics, revising Student Learning Objectives for accreditation reports, and writing accreditation reports.

Committee Member. Online MAT in Early Childhood Education, Term: 2014-present. Responsibilities include writing the Online MAT Program Innovation Grant, program conceptualization, and general planning.

Alternate Reviewer. Fall 2015 Quality Matters Cohort. Department of Teaching and Learning will participate in the Quality Matters Course Review Program to assess the quality of online-only instruction. The team will evaluate ESED 5234G—Cultural Issues. The Committee runs through CT².

Faculty Search Chair, 2015-2016. Clinical Instructor of Science Education.

Faculty Search Chair, 2014-2015. Clinical Instructor of Early Childhood Education. Filled by Heather Huling.

Faculty Search Committee Member, 2014-2015. Assistant or Associate Professor of Curriculum and Instruction, to fill Prof. Gilpin's line. Search unfilled.

Facilitator. Project WET training and certification for P-5 teacher candidates. Term: 2013-present.

Facilitator. *Ruby Payne Poverty Simulation* for middle grades teacher candidates. Term: 2012-2014.

Course redesign. ISCI 2002.

Service to the Schools

Ongoing professional development and collaborative research. Langston Chapel Elementary School, Grades 1-2.

Presenter. Claxton Elementary School, Grades 3-5 STEM Night. (October 16, 2014)

Presenter. Liberty County Schools. Professional Development Day on Elementary Science Education. (October 14, 2014).

Presenter. *Race to the Top Real STEM Project*. Professional Development Workshop on Place-Based Education and the Implementation of Classroom Research Design at Georgia Southern University. (June 18, 2013).

Presenter. *Engaging Our Youngest Scientists*. Professional Development Workshop Delivered in Two Sessions at the 25th Annual Southern Conference on Children. Statesboro, GA. (January 28, 2012).

Presenter. 2012-13 Math and Science Night at Gould Elementary School. Garden City, GA. (February 21, 2013).

Presenter. 2011-12 Math and Science Night at Gould Elementary School. Garden City, GA. (February 16, 2012).

Community Service

Instructor. Migrant Middle School Summer Program at Georgia Southern University. Term: Summers 2013 & 2014. Taught weeklong interdisciplinary science and mathematics units with an eye to improving academic language acquisition.

Girl Scouts of Historic Georgia, Cherry Service Unit Secretary. Term: 2012-Present.

Girl Scout Leader Junior Troop 30479. Term: 2011-2013

Curricular Alignment. *Project Learning Tree and Girl Scouts of America*. I worked in association with Mrs. Jacklyn Stallard, Manager of Education Programs at Project Learning Tree, to develop curricular

alignment between the Project Learning Tree curriculum and the Girl Scouts of America Brownie, Junior, and Daisy curricula's Journeys, Badges, Patches, and Awards.

Educational Specialist Students Supervised

Green-Ambrose, Crystal. (January 2014-present). *High-stakes testing and student achievement.*

Kessler, Blake. (August-December 2013). *The relationship between the Georgia High School Graduation Test and the graduation rates of Smith High School.*

Courses Taught

Georgia Southern University

Statesboro, GA

Instructor of Record

ECED 4433: P-5 Science Methods

ECED 4733: Methods Block II Field Placement

ECED 5799: Student Teaching in Early Childhood Education

***ECED 7430:** Advanced P-5 Science Methods

ISCI 2002: Physical Science

Regular Guest Lecturer

EDUR 9231: Qualitative Research Methods in Education

University of Florida

Gainesville, FL

Instructor of Record

SCE 4310: Elementary Science Methods for the Inclusive Classroom

SCE 5316: Inquiry-Based Science Teaching

SCE 5355: Foundations of Elementary Science

* Taught exclusively online using either Blackboard or Desire2Learn (Georgia Southern), or Purlieu (University of Florida).

National Professional Organization Memberships

Association for Science Teacher Education

American Educational Research Association

National Association for Research in Science Teaching

National Science Teachers' Association

Southeastern Association for Science Teacher Education