



Curriculum Vita August 2014

Instructor: Amanda L. Glaze, Ph.D.

Academic Department: Curriculum and Instruction

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EDUCATION

Ph.D. Science Education,
The University of Alabama, 2013.

Ed. S. Secondary Education (Comp. Sciences),
Jacksonville State University, 2009.

M. S. Ed. Secondary Education (General Sciences),
Jacksonville State University, 2008.

B. S. Criminal Justice/Forensic Sciences,
Jacksonville State University, 2004.

TEACHING EXPERIENCE

2014-Present, Adjunct Instructor of Curriculum & Instruction, Texas A & M University-Commerce.

2014-Present, Middle Grades Science Specialist, Jacksonville High School.

2012-2014, Instructor of Sciences, Southern New Hampshire University.

2010-2014, Pro-Rata Instructor of Education, Jacksonville State University.

2010-2012, Physics Curriculum Developer, AMSTI/ASIM, The University of Alabama.

2010-2011, Adjunct Instructor of Biology, Gadsden State Community College.

2009-2011, Graduate Biology Researcher, Ramonell Lab, The University of Alabama.

2008-2009, Graduate Biology Researcher, Hamissou Lab, Jacksonville State University.

2007-2010, Science Teacher, Rome High School.

2006-2007, Emergency Science Teacher, Pell City High School.

PUBLICATIONS

Scholarly publications: Published Refereed Articles

Glaze, A. L., & Goldston, M. J. (2014). Evolution and Science Teaching and Learning in the United States: A Critical Review of Literature 2000-2013. *Science Education* (In revision).

Glaze, A. L., Goldston, M. J., & Dantzler, J. (2014). Evolution in the Southeastern United States: factors influencing acceptance and rejection in pre-service science teachers. *International Journal of Science and Mathematics Education*. doi: 10.1007/s10763-014-9541-1

Goldston, M., Allison, E., Fowler, M. & **Glaze, A.** (2013). The dynamic earth: Recycling naturally! *Science and Children*, 50(8). p 30-37.

Glaze, A. L. (2013) Mordida! Vignette in Hall, G. E., Quinn, L. F., Gollnick, D. M. (2013). *Introduction to teaching: making a difference in student learning*. Thousand Oaks, CA: Sage Publications.

Manuscripts in Preparation

Glaze, A. L. (2015). When scientists don't accept: re-evaluating critical assumptions in science and science education (in prep). Manuscript for submission to *Journal of Research in Science Teaching*.

Glaze, A. L. (2015). Facts are not enough: why evolution is still controversial on both sides of the classroom. (in prep). Manuscript for submission to *American Biology Teacher*.

Glaze, A. L. (2015). Untitled Manuscript: Position article on the state of evolution instruction. Manuscript for submission to *American Biology Teacher*.

Glaze, A. L., & Goldston, M. J. (2015). Untitled Manuscript: Qualitative Study of Evolution in the Southern United States (in prep). Manuscript for submission to *Journal of Research in Science Teaching*.

RESEARCH GRANTS AND AWARDS

2013, The Alabama Academy of Sciences, 1st Place Research Paper, Science Education.

2009-2013, The University of Alabama, Research and Presentation Grants (\$3000)

Reviewer

2014, Manuscript Reviews: *The American Biology Teacher*, *Science Education* (Guest Reviewer)

2013, Manuscript Reviews: *The American Biology Teacher*, *Urban Education*

2012, SAGE Publications Textbook Reviewer, 2011: Wallace, F., & Evans, M. A. (2013). *Mathematical Literacy in the Middle and High School Grades: A modern approach to sparking student interest*. Boston, MA: Pearson Education.

2012, SAGE Publications Textbook Reviewer, Advisory Board member, and "Teacher's Lounge" writer, Hall, G. E., Quinn, L. F., Gollnick, D. M. (2013). *Introduction to teaching: making a difference in student learning*. Thousand Oaks, CA: Sage Publications.

2012, Manuscript Reviews: *Science Education*, *The American Biology Teacher*

2011, SAGE Publications Textbook Reviewer, 2013: Antonacci, P. A., & O'Callaghan, C. M. (2011). *Developing content area literacy: 40 strategies for middle and secondary classrooms*. Thousand Oaks, CA: Sage Publications.

2011, Presentation Reviewer, National Science Teachers' Association Conferences.

PRESENTATIONS

Glaze, A. L. (2014, Mar.). Evolution and pre-service science teachers: factors influencing acceptance and rejection. Paper session for the Alabama Academy of Science conference, Auburn, AL.

Glaze, A. L., & Goldston, M. J. (2014, Jan.). Evolution and pre-service science teachers: investigating acceptance and rejection. Poster Session for the ASTE International Conference, San Antonio, TX.

Fowler, L., Allison, E., Goldston, M. J., & **Glaze, A.** (2013, Apr.) Earth processes: inquiries into change. Workshop for the National Science Teachers' Association, National Conference-San Antonio, TX.

Glaze, A. L. (2013, Mar.). Factors influencing evolutionary acceptance among biology and

biology education majors. Poster session for the Alabama Academy of Sciences, Birmingham AL.

Glaze, A. L., & Goldston, M. J. (2013, Jan.) Evolution and pre-service science teachers: an investigation of acceptance and rejection. Poster Session for the Association of Science Teacher Educators, International Conference-Charleston, SC.

Glaze, A. L. & Goldston, M. J. (2012, Nov.) Evolution and pre-service science teachers: exploring acceptance and rejection. Paper presentation for the Mid-South Educational Research Association, Lexington, KY.

Glaze, A. L. (2012, Nov.) Improving science achievement among high risk students in the urban South. Presentation for the National Science Teachers Association, Regional Conference, Atlanta, GA.

Glaze, A., Goldston, M.J., Fowler, M., & Allison, E. (2012, Mar.) Inquiries into the dynamic Earth-beware of change! Presentation for National Science Teachers' Association, National Conference-Indianapolis, IN.

Glaze, A. L. (2011, Nov.) Finding success in science education reform. Presentation for the National Science Teachers Association, Regional Conference, New Orleans, LA.

Glaze, A. L. (2011, Nov.) Improving science achievement among high-risk students in the urban south. Presentation for the National Science Teachers Association, Regional Conference, New Orleans, LA.

Glaze, A. L. (2010, Dec.) Lost in translation: Bridging the gap between pure science and science education. Presentation for the Society of College Science Teachers/National Science Teachers Association, Regional Conference, Nashville, TN.

Glaze, A. L. (2009, Dec.) Homo-polar Motors: Classroom Demonstrations and Exercises Explained. Presentation for the University of Alabama Physics Department, Tuscaloosa, AL.

Glaze, A. L. (2009, Apr.) Improving Graduation Rates in Urban High Schools: A test remediation approach. Presentation for the Jacksonville State University Department of Education, Jacksonville, AL.

Glaze, A. L. (2009, Apr.) Drugs and drug use in schools. Presentation for the Rome High

SERVICE

2014, Contributing member of ASTE International Ad Hoc Committee for Evolution Position Statement.

2014, Liaison and supervisor of pre-service teachers in early in-school practicum experience.

2013, Participating member of committee/council on practicum/clinical experiences for NCATE re-certification interviews.

2013, Considered for NGSS@NSTA Curator position, one of six hundred and fifty people considered nationwide for fifty curator positions.

2012-2014, Doctoral student dissertation mentor: Middle Tennessee State University (1), The University of Alabama (3)

2012, Presided over presentation sessions, MSERA regional conferences, Lexington, KY.

2011-2012, Assisted with organization of tutoring arrangements for pre-service teachers from Jacksonville State University and local schools.

2011, Advised students in science education program.

2010-2012, Supervised pre-service teachers in practicum settings at multiple levels.

2009-2010, Sponsored high school Junior Optimist Club, organized can and coat drives.

2009, Developed new curriculum and served as guest Lecturer for Rome City Schools Young Scholars Program: Fifth Grade Physics Camp Instructor, Georgia Highlands College.

2009, Developed curriculum and served as guest Lecturer for Rome City Schools Young Scholars Program: Seventh Grade Biology Camps Instructor, Berry College.

2008, Collaborated with university and served as guest lecturer Rome City Schools Young Scholars Program, Sixth Grade Environmental Science Camp Instructor, Shorter College.

2008, Established curriculum and served as guest lecturer Rome City Schools Young Scholars Program, Seventh Grade Biology Camp Instructor, Berry College.

2007-2010, Created and taught remedial science program for high-risk students who had failed the science portion of the Georgia High School Graduation Test. Student re-take pass rate was 75% for three years of the program.

2007, Developed new curriculum and served as instructor for Little River Canyon Field School, Kids Into Nature Camps, EPIC Alabama-Environmental Policy Information Center.

SELECTED PROFESSIONAL DEVELOPMENT ATTENDED

2014, Apple iBooks Training, iBooks Collaborator Training, SchoolInSites.

2012, Quality Matters Online Education Rubrics and Assessment Training.

2012, Blackboard Integrated Online Education Platform Development Training.

2011, Co-Teaching Implementation and Development & Pairs Training.

2010, LIVETEXT Assessment and Data Training.

2009, IMPACTSEED (Improving Physics and Chemistry Teaching in Secondary Education)
Summer Institute.

2006, IMPACTSEED (Improving Physics and Chemistry Teaching in Secondary Education)
Summer Institute.