CURRICULUM VITA

**JULIE SINGLETON, PH.D.**

Department of Teaching, Learning and Culture

College of Education and Human Development

Texas A&M University,

444 Harrington

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**EDUCATION**

2011 Ph.D. Curriculum and Instruction, Texas A&M University, College Station, TX

Emphasis: Science Education

1998 M.Ed. Health and Kinesiology, Texas A&M University, College Station, TX

Emphasis: Outdoor Education

1988 B.S. Stephen F. Austin University, Nacogdoches, TX

Major: Earth Science

**CERTIFICATION AREAS**

Middle School Earth/Life Science, Texas

High School Composite Science, Texas

Environmental Education, Texas

Engineering is Elementary Trainer for Professional Development

**PROFESSIONAL EXPERIENCE**

2011-Present *Clinical Assistant Professor,* Department of Teaching, Learning and

Culture, College of Education and Human Development, Texas A&M

University

2016-2019 *Trip Leader*, High Impact Learning Experience in Costa Rica.

Summer 2012 *Instructor*, Tsinghau English Summer Camp, Beijing, China.

2008-2011 *Graduate Student Instructor* Department of Teaching, Learning and Culture, College of Education and Human Development, Texas A&M University

2008-2010 *Research Team Member*, Professional Learning Communities- Model for Entry into Science Teaching, National Science Foundation, Texas A&M University

**COURSES TAUGHT**

**Undergraduate courses**

TEFB 324 Teaching Skills II

MASC 371 Inquiries in Earth/Life Sciences

TEFB 413 Science Methods in the Elementary Grades/ intern supervisor

MEFB 470 Science Methods in the Middle Grades/intern supervisor

MASC 475 Inquiries in Physical Sciences

**Graduate courses**

EDCI 638 Trends in Curriculum and Instruction

EDCI 701 Instructional Strategies in Elementary STEM Science (designed course)

**CLASSROOM EXPERIENCE**

2002-2007 *Teacher*, Houston Independent School District, Gregory Lincoln Learning Center, Science Department Chair, 8th grade science, volleyball coach, Leadership Committee, Character Education Committee Chair, Boy Scouts of America Cub and At-Risk scouting programs.

1999-2001 *Teacher*, Huntsville Independent School District, Alternative Credit Recovery Program and Boot Camp Discipline Program, All Secondary Science

1993-1996 *Facilitator*, Galena Park Independent School District, High Adventure Learning Center, science and outdoor education

1991-1993 *Teacher*, Galena Park Independent School District, Galena Park Middle School 8th grade science

1988-1991 *Teacher*, Galveston-Houston Catholic Diocese, St. Ambrose Catholic Church School, 5-8 grade science, Science Department Chair, basketball coach

**PUBLICATIONS**

Singleton, J. & Larke, P. (2016). A teacher’s calling: Motivation to seek and facilitate transformative learning experiences. National Forum of Teacher Education, 26.

Singleton, J. (2015). Head, heart and hands model for transformative learning: Place as context for changing sustainability values. Journal of Sustainability Education 9. ISSN: 2151-7452 Retrieved from: <http://www.jsedimensions.org/wordpress/content/2015/03/>

Singleton, J. & Loving, C. C. (2015) Environmental literacy and sustainability values: A content analysis of EE values. *Eco-thinking*, 1.

**PAPER PRESENTATIONS**

**International**

Singleton, J. (2017, March). The High Adventure Learning Center: Practicing relational pedagogy with at-risk middle school students. Paper presented at the Forum on Childhood Education at Oxford University, England

Singleton, J. (2016, March). Learning naturally in place: Authentic experience and engagement in place-based education. Paper presented at the Forum on Childhood Education at Oxford University, England.

**National**

Scaramuzzo, P., Raven, S., & Singleton, J. (2019). Transformative Holistic Learning Experiences through Study Abroad: Placed-Based Pedagogy with Pre/In-service Teachers. Paper presented at the American Education Research Association, Toronto, Canada.

Singleton, J. & Larke, P. (2015, March). A teacher’s calling: Motivation to seek and facilitate transformative learning experiences. Paper presented at the Transformative Learning Conference, Oklahoma City, OK.

Etchells, M. & Singleton, J. (2014, September). The London coffeehouses: A great blend of Enlightenment. Paper presented at the Conference for the Organization of Educational Historians. Chicago, IL.

Singleton, J. (2013, October). The history of the Gregory School and Houston’s Freedmen’s Town. Paper presented at the Conference for the Organization of Educational Historians. Chicago, IL.

Singleton, J. (2013, January). Educational reform starts with standards: A content analysis of EE standards inclusion of sustainability values through the lens of the Earth Charter. Paper presented at the Conference for Equity and Social Justice at SUNY, New Paltz, NY.

Singleton, J. (2011, April). Narrow measure, narrow practice: Scientific literacy under high-stakes accountability. Paper presented at the American Education Research Association, New Orleans, LA

**State**

Singleton, J. (2018. April). Head, heart and hands model for transformative learning experiences: Meaningful learning beyond the classroom. Paper presented at the Transformational Teaching and Learning Conference, College Station, TX.

Singleton, J. (2010, February). The influence of high-stakes testing on science instruction: Beliefs of teachers. Paper presented at the Southwest Education Research Association, San Antonio, TX.

**POSTER PRESENTATIONS**

**Singleton, J. (2011, April). Ecological sustainability and place-based learning: A model of education for transformative experiences.** Poster presented at the National Association for Research in Science Teaching, Orlando, FL.

Singleton, J. (2010, April). Adapting to a high-stakes testing environment within a professional science learning community. Poster presented at the American Education Research Association, Denver, CO.

**STATE PROFESSIONAL WORKSHOP PRESENTATIONS**

STEM Education and Innovation (2018, January). Aquatics Field Investigation: Citizen Science Monitoring. Texas A&M University.

STEM Education and Innovation (2017, May). Aquatics Field Investigation: Citizen Science. Texas A&M University.

Texas Outdoor Education Association (2015, October). Inquiries in Rocket Science: Rockets Three Ways. Leaky, TX.

Texas Outdoor Education Association (2014, October). Greening STEM. Leaky, TX.

Texas Outdoor Education Association (2012, October). STEM Inquiry. Leaky, TX.

Texas Outdoor Education Association (2011, October). Inquiry, Not the Cookbook Labs You Did in School. Leaky, TX.

**RESEARCH INTERSTS:** Eco-literacy, Outdoor/Place-based education, Transformative learning, Teacher education, Science education, STEM methods in science class.

**SERVICE**

**University**

2013-2018 *Member*, Sustainability and Environmental Management Committee, Texas A&M University

**Department of Teaching, Learning and Culture**

2016-2017 Leader of Science Cognate Area in Department of Teaching, Learning and Culture, College of Education and Human Development, Texas A&M

2011-2018 *Member*, Undergraduate Committee, Department of Teaching, Learning and Culture

2016-2017 *Member,* Science Education Assistant Tenured Professor Search Committee, TLAC

2014-2016 *Member*, Teacher Education Transformation and Research Institute, Department of Teaching, Learning and Culture

2013-2014 *Member*, Curriculum Realignment Committee, Department of Teaching, Learning and Culture

2013-2014 *Member*, Undergraduate Student Awards Committee, Department of Teaching, Learning and Culture

**Other Service**

2019 *Judge*, Texas State Science and Engineering Fair

2014-2016 *Chair*, Education Committee, Dr. James Noel STEM Aviation Organization

2014 *Member*, TExAS CORE Subjects EC-6 Science Committee, Educational Testing Service

2014 *Judge*, International Sustainable World Energy, Engineering and Environment Project, Brown Convention Center, Houston, TX

2013 *Participant*, Texas Natural Resources/Environmental Literacy Summit, San Antonio, TX

2011-2015 *Facilitator and consultant*, Air Fair, Johnson Elementary School, Bryan ISD.

1989-present *Member*, Texas Outdoor Education Association. *Vice-president of Public Relations* (1994-1999), *President-elect* (2006), *President* (2007), *Past-president* (2008).

**PROFESSIONAL AFFILIATIONS**

Texas Outdoor Education Association

American Education Research Association

**GRADUATE STUDENT COMMITTEES**

**PhD, member**

Luke Lyons

Jill Killough

**EdD Co-Chair**

Glenda Thacker

**EdD, member**

Daisy Dailey

Bianca Coker

Dwight Mchazlett

Bart Taylor

Josh Tabor

Michelle Hurst

Heidi Baine

**Master’s, non-thesis, co-chair**

Irma Salinas

Matthew Patterson

Brittany Bennet

Libby DeVires

**Master’s non-thesis, member**

Ariane Failla

Makenna Arca

Elaina Barta

Chandler Hejl

Katie Nesloney

Brandon Orr

Kaelyn Parks

Rhett Schroers

Debbie Tang

David Allen Wolf

Morgan Baily

Nicole Beirne

Jacob Callen

Sarah M. Coe

Lauren Kissinger

Sarah Panus

Chelsea Platz

Mary E. Vanderbloemen

Larissa N. Hernandez

Caroline Long

Logan Weinert

Montana Williams

Jessica A. Crawford

Amber Mahana

Kristen Briegel

Brianna Jackson

Robert C. Morgan

Daniela Ocada

David Rosenbaum

Emily Wood

Eva Zapletal

Jeremy M. Dockan

April Tillnghast

Anna Walker

Haylee Brewer

Heidi M. Baine

Katherine N. Quigley

Diana Al Husseini

Kenneth C. Mckeown

Aimee Bajoie

Jessica Coffman

Kelly Day

Lauren H. Juliano

Connor McHugh

Tony Moma

Samora G. Ofori

Taylor Paroline

Lauren Toomey

Angelita Yanez

Marsha G. Dillard

Brittany Bennett

Katherine Watson

Nicole Beirne

Haylee Brewer

Logan McConie

Morgan Bailey

Chelsea Platz