

ANDREA ELLIS REEDER

2085 Belsford Dr.
Nolensville, TN37135
(901) 601-6222 • aellisreeder@gmail.com

EDUCATION

Ph.D., Interdisciplinary Mathematics and Science Education, Intended Spring 2024
Middle Tennessee State University
Certification, Instructional Coaching, Lipscomb University 2019
M.A., Biology Education, Furman University 1991
Bachelor of Science, Biology, Furman University 1989

EMPLOYMENT

MIDDLE TENNESSEE STATE UNIVERSITY, Murfreesboro, Tennessee 2018-present
Master Teacher, MTeach, College of Arts and Sciences
Courses: Inquiry Approaches to Teaching, Inquiry-Based Lesson Design, Classroom Interactions, Research Methods, Knowing and Learning, Introductory Biology Lab, and Project Based Instruction

UNIVERSITY OF MEMPHIS, *Memphis, Tennessee*
Assistant Clinical Professor and Master Teacher, Tigers Teach, College of Arts and Sciences 2010-2013
Courses: Introduction to Inquiry Learning I, Knowing and Learning, and Classroom Interactions

Instructor, Instruction and Curriculum Leadership – College of Education 2009-2010
Courses: Middle School Science Methods, Urban Learning Environment, Elementary Practicum, and Advisor Student Teaching

GRANT FUNDING

Water, Water Everywhere The University of Memphis \$18000 2011
A research study that used water quality in local rivers to teach middle grade students in an urban community concepts in math and science.

RESEARCH EXPERIENCE

Teacher Leadership (T-Lead): Investigating the Persistence and Trajectories of Noyce Master Teaching Fellows 2019-2021

PUBLICATIONS

Reeder, A., Kaya, F., Zhou, W., Elrod, M. Reid, J., Criswell, B., & Rushton, G.T. (In Progress). Following the vision: The development of a teacher leader.

Zhu, Y., Polizzi, S.J., **Reeder, A.,** Jiang, S., Salisbury, S., Couch, B. & Rushton, G. T. (Submitted). Early career teachers: Social networks in schools affect job satisfaction and career commitment,

Choi, S. & **Reeder, A.** (2010). Invigorating science with trade books. *The Tennessee Association of Middle School Journals*, 42(2), 4-11.

PRESENTATIONS

Following the Vision: The Development of a Teacher Leader, TSEC Conference, Murfreesboro, TN, February 2021
Early Career Teachers: Social Networks in Schools Affect Job Satisfaction and Career Commitment, TSEC Conference, Murfreesboro, TN, February 2020
Cultural Autobiographies: How Can I Create a Classroom that Celebrates Differences, UTeach Conference, Austin, TX, July 2019
Expanding the Model to Agriculture Education Majors, UTeach Conference, Austin, TX, July 2019
FLEX: fun, relevant, learning, experiences Memphis Charter Schools, Memphis, TN, August 201.
The WOW Factor: Classroom Demonstrations as Scientific Inquiry, Fayette County Special Education Teachers, Memphis, TN July 2010.
Scientific Inquiry through Demonstrations, Tennessee Association of Middle Schools, Memphis, TN, March 2010

SERVICE

Professional	Graduate Student Committee National Association for Research in Science Teaching	2021
Professional	Graduate Communications Sub-Committee National Association for Research in Science Teaching	2020
Professional	AP Biology Reader	1994, 1995, 1996, 2016, 2017, 2018
University	Evaluator for Tennessee Louis Stokes Alliance for Minority Participation (TLSTAMP) Undergraduate Research Symposium	2021
University	Chair for The University of Memphis National Lab Day	2011, 2012
University	Mid-South Science, Technology, Engineering, and Mathematics (STEM) Alliance	2011
Departmental	Tennessee STEAM Festival	2018, 2019
Departmental	Science Day for Murfreesboro City Schools	2018
Departmental	Pearson edTPA Science Supervisor, Master Coder, and Scorer	2011-2014
Departmental	Teach for America Teacher Leadership Coach	2013

PROFESSIONAL ORGANIZATIONS

National Association for Research in Science Teaching
 American Educational Research Association
 Association of Science Teacher Education
 National Science Teaching Association
 The Honor Society of Phi Kappa Phi

TEACHING HONORS

National Board-Certified Teacher, Adolescence and Young Adulthood, Chemistry	2017-2021
Facilitator, NASA/Bell South Protein Crystallization Program	1999
Consultant, Palmetto Achievement Challenge Test	1997
Recipient, Mellon Grant Stanford University	1996
Research Fellow, American Society of Cell Biology	1995

HIGH SCHOOL EXPERIENCE

INDEPENDENCE HIGH SCHOOL, FRANKLIN, TENNESSEE

SCIENCE TEACHER

HONORS CHEMISTRY, ADVANCED PLACEMENT BIOLOGY

SPRING HILL MAGNET HIGH SCHOOL, CHAPIN, SOUTH CAROLINA

SCIENCE TEACHER

HONORS CHEMISTRY, HONORS PHYSICAL SCIENCE

WHITE KNOLL HIGH SCHOOL, LEXINGTON, SOUTH CAROLINA

SCIENCE TEACHER

COURSES: CHEMISTRY, PHYSICAL SCIENCE

SHELBY COUNTY SCHOOLS, *Memphis, Tennessee*

Homebound Teacher

Courses: Advanced Placement Chemistry, Physics, Geometry, Algebra II, Algebra/Trigonometry

WOODCREEK HIGH SCHOOL, *Roseville, California*

Science Teacher

Courses: Biology, Integrated Science

GERMANTOWN HIGH SCHOOL, *Germantown, Tennessee*

Science Teacher

Courses: Biology, Chemistry

MAYO HIGH SCHOOL FOR MATH, SCIENCE, AND TECHNOLOGY, *Darlington, South Carolina*

Science Teacher

Courses: Advanced Placement Biology, Biology II, Biology, Anatomy and Physiology, Genetics, Microbiology

MARTIN LUTHER KING MAGNET HIGH SCHOOL FOR THE HEALTH SCIENCES AND ENGINEERING, *Nashville, Tennessee*

Biology Teacher

Courses: Advanced Placement Biology, Biology

RIVERSIDE HIGH SCHOOL, *Greer, South Carolina*

Biology Teacher

Courses: Advanced Placement Biology, Honors Biology, Biology I