

Jennifer L. Edelman

Early Childhood through Secondary Education
University of West Georgia
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EDUCATION

Ph.D. Curriculum and Instruction: Mathematics Education <i>University of Wyoming</i> Laramie, WY	2014
M.Ed. Teaching and Teacher Education <i>University of Arizona</i> Tucson, AZ	2003
Bachelor of Arts <i>Willamette University</i> Salem, OR	1998

CERTIFICATIONS

Social and Behavioral Responsible Conduct of Research Conflicts of Interest Collaborative Institutional Training Initiative	2018
Distance Education Certificate UWG Continuing Education	2017
UWG Online Course Instructor & Reviewer Quality Matters	2015
Educational Research and Dissemination Program Instructor Modules: Delivering Effective Professional Development, Foundations of Effective Teaching I American Federation of Teachers	2008-2010
New Mexico Teacher Certification Level II Endorsements: English as a Second Language, Library/Media	2004-2015
Arizona Teacher Certification	2003-2004

UNIVERSITY TEACHING EXPERIENCE

Associate Professor and Chair, Elementary Education, Mathematics Education	2019-current
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*Early Childhood through Secondary Education, University of West Georgia
Carrollton, GA*

*Undergraduate Courses Taught: Assessment and Correction in Mathematics
Education, Teaching Content & Process Mathematics Education, Mathematics for P-2
Teachers*

*Graduate Courses Taught: Investigating the Language Arts (QM Certified Course),
Using Data to Meet the Needs of Diverse Learners, Curriculum Trends and Issues*

Assistant Professor, Early Childhood Education, Mathematics Education 2015-2019

*Early Childhood through Secondary Education, University of West Georgia
Carrollton, GA*

*Undergraduate Courses Taught: Assessment and Correction in Mathematics
Education, Teaching Content/Process Mathematics Education,
Math Dual Certification Program*

*Graduate Courses Taught: Investigating the Language Arts (QM Certified Course),
Investigating Methods and Materials in Mathematics Education
(UWG 5-Star Certified Course), Using Data to Meet the Needs of
Diverse Learners*

Assistant Professor, Secondary Education, Mathematics Education 2014-2015

*Department of Leadership and Instruction, University of West Georgia
Carrollton, GA*

*Undergraduate Courses Taught: Knowing and Learning in Mathematics and
Science (UTeach), Secondary Education Internship Seminar, Supervising
faculty for field experiences*

*Graduate Courses Taught: Advanced Instructional Strategies for Science
Education, Secondary Education Internship Seminar, Supervising
faculty for field experiences*

Instructor, Secondary Education, Mathematics Education 2013-2014

*Department of Leadership and Instruction, University of West Georgia
Carrollton, GA*

*Undergraduate Courses Taught: Knowing and Learning in Mathematics and
Science, Senior Seminar for Middle Grades Teacher Education, Teaching
Content/Process Mathematics Education, Assessment & Correction in
Mathematics Education, Supervising faculty for field experiences*

Graduate Courses Taught: Elementary Mathematics II

Clinical Faculty, Secondary Education 2012-2013

*Department of Leadership and Instruction, University of West Georgia
Carrollton, GA*

Supervising faculty for field experiences

Graduate Teaching Assistant, Secondary Education, Mathematics 2010-2012

Education

Secondary Education Department, University of Wyoming

Undergraduate Courses Taught: Methods and Materials for Teaching Mathematics 1

Graduate Courses Taught: Middle Grades Mathematics Assessment

PROFESSIONAL DEVELOPMENT TEACHING EXPERIENCE

Consultant

2011-2012

Ready to Learn Mathematics, Wyoming Department of Education

University of Wyoming and Hot Springs County #1

Professional Learning Units Taught: Problem Solving, Effective use of Manipulatives, Assessment

Grant amount: \$224,351 (Principal Investigator: Linda Hutchison)

Lead Mentor

2009-2010

The Mentor Program, an APS/ATF/UNM Partnership

Albuquerque, NM

Professional Learning Units Taught: Teacher Expectations, Student Achievement (TESA), Effective Group Management Practices, Interactive Direct Instruction, Time on Task, Homework

Research Dissemination Coach

2008-2010

Albuquerque Teachers Federation

Albuquerque, NM

Professional Learning Units Taught: Beginning of the Year Classroom Management, Interactive Direct Instruction, and Time on Task

Math Leader

2006-2010

Albuquerque Public Schools

Albuquerque, NM

Professional Learning Units Taught: Effective Implementation of Mathematics Curriculum

Technology Leader

2009-2010

Albuquerque Public Schools

Albuquerque, NM

Professional Learning Units Taught: Active Learning with Clickers, Getting Started with a Smart Board, Airliner Tablets and Smart Boards, Virtual Manipulatives and other Helpful Mathematics Websites

PUBLIC SCHOOL TEACHING EXPERIENCE

Library Media Specialist

2008-2010

Albuquerque Public Schools, Albuquerque, NM

Inclusion Classroom Teacher-All Subjects
Albuquerque Public Schools, Albuquerque, NM

2004-2008

Classroom Team Teacher-Science & ELA
Tucson Unified School District, Tucson, AZ

2003-2004

PUBLICATIONS

Refereed Articles

Edelman, J., Green, K.B., & Jett, C. (2019). Children's literature to inform mathematics teaching and learning: A systematic review of the research literature from 1991-2016. *International Journal of Science, Mathematics, and Technology Learning*. Submitted August 2018.

Edelman, J. (2017). How preservice teachers use children's literature to teach mathematical concepts: Focus on mathematical knowledge for teaching. *International Electronic Journal of Elementary Education*, 9(4), 741-752.

Edelman, A. & **Edelman, J.** (2017). An inquiry-based approach to engaging undergraduate students in on-campus conservation research using camera traps. *Southeastern Naturalist*, 16(Special Issue 10), 58-69.

Edelman, J. (2015). Integrating the edTPA in an existing internship seminar: Lessons learned. *GATEways to Teacher Education*, 14(1), 2-6.

Book Reviews

Edelman, J. (2018). [Review of the book *What's Right About Wrong Answers: Learning from Math Mistakes*, by N.C. Anderson]. *Mathematics Teaching in the Middle School*, 23 (7), 407.

Edelman, J. (2018). [Review of the book *Working with the Rocker Scale*, by J. Callahan and M. Varricchio]. *Teaching Children Mathematics*, 24 (5), 331.

Book Chapters

Gault, R. & **Edelman, J.** (2022). Reasoning with equations and functions in The 5th Wave. In P. Greathouse & H. Anthony (Eds.), *Developing mathematical literacy through adolescent literature*. Rowman & Littlefield.

Hutchison, L. & **Edelman, J.** (2014). Literacy in the mathematics classroom. In P. Smagorinsky (Ed.), *Teaching dilemmas and solutions in content-area literacy, grades 6-12*. Thousand Oaks, CA: Corwin Press

Edelman, J. & Janak, E. (2013). Can we win the future by living in the past? A preliminary exploration of nostalgia in education. In E. Janak & D. Blum (Eds.), *The pedagogy of pop: Theoretical and practical strategies for success*. Lanham, MD: Lexington Books

Edelman, A.J., Koprowski, J.L., **Edelman, J.** (2005). Kleptoparasitic behavior and species richness at Mt. Graham red squirrel middens. In G. Gottfried, B. Gebow, E. Lane, B. Carleton (Eds.), *Connecting mountain islands and desert seas: Biodiversity and management of the Madrean Archipelago II*. Fort Collins, CO: US Department of Agriculture, Forest Service, Rocky Mountain Research Station

PRESENTATIONS BEFORE PROFESSIONAL ORGANIZATIONS

National

Gault, R. & **Edelman, J.** (2022). Confronting experience and beliefs: Reading Grading for Equity by Joe Feldman in a graduate course for in-service K-12 teachers. Presented at Critical Questions in Education Conference, Charleston SC.

Edelman, J., Gault, R., Scasny, K., & Strickland, T. (2020). UTeach Program Sustainability: Adaptations for Evolving University Enrollments. Presented at UTeach Annual Conference (canceled due to Covid-19 restrictions).

Green, K. B., Jett, C., **Edelman, J.** (2018). *Integrating mathematics and children's literature within the college context: Implications for special educator preparation*. Conversation Session at the 2018 Council for Exceptional Children, Teacher Education Division, Las Vegas, NV.

Hutchison, L. & **Edelman, J.** (2018). *Preservice teachers' explanations of graphs: A starting point for considering graphical literacy in mathematics*. Research presentation at the 2018 National Conference of the National Network for Educational Renewal, Charlotte, NC

Edelman, J. (2017). *Clear connections: Adding a field experience to Knowing and Learning in Mathematics and Science*. Poster presented at UTeach Annual Conference, Austin, TX

Edelman, J. (2016). *Children's literature and manipulatives: When the math tells the story*. Workshop presented at the 2016 annual meeting of the National Council of Teachers of Mathematics, San Francisco, CA

Edelman, J. (2016). *Preparation of mathematics teachers: Changing the role of the cooperating teacher during field experiences*. Poster presented at the 20th annual conference of the Association of Mathematics Teacher Educators, Irvine, CA

Edelman, J. (2015). *Examining mathematical knowledge for teaching: How preservice teachers use children's literature to teach mathematical concepts*. Paper presented at the 19th annual conference of the Association of Mathematics Teacher Educators, Orlando, FL

Edelman, J. (2012). *The emperor's new clothes: Is there empirical support for the use of children's literature in mathematics?* Paper presented at the 62nd annual conference of the Literacy Research Association, San Diego, CA.

Belbase, S., Hutchison, L., & **Edelman, J.** (2012). *Technology integration in pre-service secondary mathematics teacher education: Prospects, priorities, and problems*. Poster presented at the 34th annual meeting of the North American Chapter of the Interactional Group for the Psychology of Mathematics Education, Kalamazoo, MI.

Edelman, J. & Hutchison, L. (2012). *Real research on virtual manipulatives: Strategies for using mathematics technology, grades 3-5*. Presented at the annual meeting of the National Council of Teachers of Mathematics, Philadelphia, PA.

Edelman, J. (2011). *Nostalgia in education reform and policy*. Paper presented at the annual meeting of the Popular Culture Association/American Culture Association, San Antonio, TX.

Regional/State

Gault, R., Britton, S., & **Edelman, J.** (2019). *An integrative approach to STEM education methods course for K-12 teachers*. Presentation at the Interdisciplinary STEM Teaching & Learning Conference, Savannah, GA

Edelman, J. (2016). *Increasing student participation in online discussion boards: What happens when students facilitate their own discussions?* Presented at the 2016 annual Conference of the Georgia Association of Teacher Educators, Young Harris, GA

Edelman, J., Huss, R., & Butler, J. (2015). *edTPA pilot study: What worked and what we need to think about*. Presented at the 62nd Annual conference of the Southeastern Regional Association of Teacher Educators, Jekyll Island, GA

TEACHING PRESENTATIONS AND WORKSHOPS IN COLLABORATION WITH K-12 TEACHERS AND UNIVERSITY COLLEAGUES

Green, K. B. & **Edelman, J.** (2018). *Integrating mathematics and children's literature in early childhood classrooms*. Workshop presented at the 3rd annual Literacy and Beyond Conference, Carrollton, GA.

- Edelman, J.** (2017). *I flipped, now what? Activities to engage your students during the in-class part of a flipped course.* Workshop presented at the 4th annual University of West Georgia Innovations in Pedagogy Conference, Carrollton, GA
- Edelman, J.** (2017). *Asynchronous discussion boards: Less work for instructors = more learning for students.* Workshop presented at the 2017 University System of Georgia Teaching and Learning Conference, Athens, GA
- Edelman, J.** (2016). *Ensuring student engagement, participation, and learning in online and blended courses.* Workshop presented at the 3rd annual University of West Georgia Innovations in Pedagogy Conference, Carrollton, GA
- Roepnack, B., **Edelman, J.**, & Wood V. (2016). *Student-facilitated online discussions and instructor presence: Finding the balance.* Panel discussion at the 3rd annual University of West Georgia Innovations in Pedagogy Conference, Carrollton, GA
- Edelman, J.** & Lloyd, D. (2016). *The flipped classroom: Strategies for successful flipping.* Lunch and Learn Workshop sponsored by the UWG Center for Teaching and Learning, Carrollton, GA
- Edelman, J.** (2016). *Encouraging student engagement, participation, and learning in online/blended courses.* Invited talk sponsored by UWG Sport Management, Wellness, and Physical Education Department, Carrollton, GA
- Edelman, J.** (2016). *Facilitating discussions: Why are instructors doing all of the work?* Invited talk sponsored by UWG Richards College of Business, Carrollton, GA
- Edelman, J.** (2016). *Making the move from teacher-led discussion boards to student-facilitated discussions.* Faculty Development Workshop sponsored by the UWG Center for Teaching and Learning, Carrollton, GA
- Edelman, J.** (2015). *Helping students read and write mathematics: Authentic content-area literacy practices for secondary math teachers.* Presented at the inaugural Literacy and Beyond Conference, Carrollton, GA
- Edelman, J.** (2015). *Discussion boards: How I went from hating to embracing discussions in my online courses.* Presented at the 2nd annual University of West Georgia Innovations in Pedagogy Conference, Carrollton, GA
- Edelman, J.** (2014). *Increasing student engagement in learner-centered classes: The first day of class.* Presented at the inaugural University of West Georgia Innovations in Pedagogy Conference, Carrollton, GA
- Edelman, J.** (2009, January). *With-it-ness and overlapping: Yes, I do have eyes in the back of my head!* Presented at the winter institute of the American Federation of Teachers: Educational Research and Dissemination, Las Vegas, NV.

Edelman, J. (2008, April). *Using a Smart Board in the elementary classroom: Albuquerque Public Schools/Qwest technology integration projects*. Presented at the 2nd Annual New Mexico K-12 Technology Summit, Albuquerque, NM.

AWARDS

- Outstanding Undergraduate Teaching Award** **2017**
College of Education,
University of West Georgia
- Outstanding Service to the Department** **2016 (Dec)**
Faculty Engagement Award
Early Childhood through Secondary Education,
University of West Georgia
- Outstanding Service to the Department** **2016 (Aug)**
Faculty Engagement Award
Early Childhood through Secondary Education,
University of West Georgia

GRANTS

- National Science Foundation, Noyce Scholarship Program** **2018**
Hoff, D. (PI); Gaquere, A. & **Edelman, J.** (Co-PIs)
Title: *MAT Impact Fellows: Developing Teachers and Emerging Teacher Leaders in Science and Mathematics*
Amount: \$1,300,000
Status: Funded/Currently in implementation year 3 of 6
- College of Education, University of West Georgia** **2017**
Edelman, J. (PI)
Innovation Fund
Title: *Professional Development: Distance Education Certification*
Amount: \$690
Status: Funded/Complete
- University of Wyoming Literacy Research Center** **2016-2017**
Hutchison, L (PI), **Edelman, J.** and Kidd, S. (co-PIs)
Fischer Fund Grant
Title: *STEM preservice teachers' graphical literacy: A multimodal approach*
Amount: \$10,000
Status: Funded/Complete
- University of West Georgia** **2015-2016**

Edelman, J. (PI)
Faculty Development Grant-Research Seed Grant
Title: *Preparation and retention of preservice secondary STEM teachers: Changing the role of the cooperating teacher during field-based experiences*
Amount: \$3500
Status: Funded/Complete

University of West Georgia **2013-2014**
Edelman, J. (PI)
Institutional STEM Excellence Grant
Title: *Improving STEM Content Learning for Teaching Through Mathematical Discourse: Focus on Undergraduate Students in Elementary Education*
Amount: \$6000
Status: Funded/Complete

University of Wyoming Academic Affairs **2012**
Travel Award.
Amount: \$250
Status: Funded/Complete

University of Wyoming College of Education **2011-2012**
Travel Award.
Amount: \$750
Status: Funded/Complete

University of Wyoming Curriculum and Instruction **2011-2012**
Travel award.
Amount: \$750
Status: Funded/Complete

Qwest/Albuquerque Public Schools **2008**
Classroom Technology Integration Grant
Title: *Getting Real with Technology: Using a Smart Board in the Elementary Classroom.*
Amount: \$5000
Status: Funded/Complete

Nancy Cole Memorial Fund **2007**
Travel Funds.
Amount: \$169
Status: Funded/Complete

Public Service Company of New Mexico **2006**
Classroom Innovation Grant

*Feedback Today Means Better Instruction Tomorrow:
Using a Classroom Response System to Guide Instruction.*
Amount: \$1000
Status: Funded/Complete

SERVICE & COMMUNITY ENGAGEMENT

University Service

College of Education Representative <i>Academic Policies Committee</i>	2022-current
College of Education Senator at large <i>University of West Georgia Faculty Senate</i>	2021-current
Chair: Academic Policies Committee <i>University of West Georgia Faculty Senate</i>	2021-2022
College of Education Representative <i>University of West Georgia Faculty Senate</i>	2017-2019
Chair: Teaching, Learning, and Assessment Committee <i>University of West Georgia Faculty Senate</i>	2017-2018
Reviewer <i>UWG Online 5-Star Review</i>	2017-2018
College of Education Representative <i>University of West Georgia Honors Program</i>	2016-2017

College of Education Service

Member, Dean Search Committee <i>College of Education</i> University of West Georgia	2022
edTPA Site Coordinator <i>ECED, SEED, PHED, SPED programs</i> University of West Georgia	2018-2020
Member, Standard 1 leader <i>COE Assessment Team</i> University of West Georgia	2018-2020

Representative: COE K-12 Teacher Preparation Programs <i>CAEPCon</i> University of West Georgia	2018
Liaison: Faculty Committee and Work Groups <i>Faculty Governance Council</i> University of West Georgia	2016-2017
Representative: Early Childhood through Secondary Education <i>Faculty Governance Council</i> University of West Georgia	2016-2017
Member, Dean Hoff Review Committee University of West Georgia	2016-2017
Representative: Learning and Teaching <i>Faculty Development, Mentoring and Retention Committee</i> University of West Georgia	2015-2016
Graduate Assistant Representative <i>Advisory Council for Graduate Education</i> University of Wyoming, College of Education	2011-2012
<i>Department Service</i>	
Program Assessment Leader <i>Early Childhood through Secondary Education</i> University of West Georgia	2016-2019
UTeach Co-Director <i>Early Childhood through Secondary Education</i> University of West Georgia	2016-2018
Member, Development Team STEM Endorsement for M.Ed. in Early Childhood Education <i>Early Childhood through Secondary Education</i> University of West Georgia	2016-2017
Program Assessment Leader <i>Secondary Education, UTeach, M.Ed & M.A.T.</i> University of West Georgia	2014-2015
Graduate Assistant Representative <i>Department of Secondary Education</i>	2011-2012

University of Wyoming

Instructional Council Chair 2007-2009

A. Montoya Elementary School
Albuquerque, NM

Grade Level Chair 2007-2008

A. Montoya Elementary School
Albuquerque, NM

Mentor to First Year Teacher 2007-2008

Albuquerque Public Schools
Albuquerque, NM

Professional Service

Member, Early Childhood Education Advisory Board 2022-current

West Georgia Technical College

Member, Area F sub-committee 2021

USG Educator Preparation Regents Advisory Committee (EdRAC)
policy group

Member, Math Preparation Rules Update Committee 2020

Georgia Professional Standards Commission

Reviewer

Mathematics Teaching in the Middle School 2012-present

Teaching Children Mathematics
National Council of Teachers of Mathematics

Journal of Mathematics Education Leadership 2015-present

National Council of Supervisors of Mathematics

GATEways to Teacher Education 2015-present

Georgia Association of Teacher Educators

Innovations in Pedagogy Conference Proposals 2018

UWG Center for Teaching and Learning

Journal of Research in Education 2015-2016

Annual Conference Awards for Best Paper
Eastern Educational Research Association

<i>Improving Teacher Quality State Grants</i> University of Georgia, Georgia Department of Education, University System of Georgia	2015
<i>Founding Member</i> Wyoming Mathematics Education Student Association (Wyo-MESA)	2012-2014

Community Engagement

Volunteer, West Georgia Subregional Science Bowl <i>Carrollton, Ga</i>	2019-2020
Volunteer STEM Instructor, UWG STEMFest <i>University of West Georgia</i>	2019
Volunteer STEM Instructor <i>Cub Scouts Day Camp, Villa Rica GA</i>	2016-2018
Volunteer at STEM Education Demo Booth <i>West Georgia Regional Science and Engineering Fair</i>	2017
Volunteer, Lego Robotics Team <i>Carrollton Middle School</i>	2015-2016
Volunteer Math Badge Leader <i>Cub Scouts, Atlanta Area Council Troup 538</i>	2015-2016
Guest Speaker at Career Day <i>Villa Rica Junior High School</i>	2015
Wyoming State Science Fair Judge <i>University of Wyoming</i>	2011

Memberships

Georgia Association for Women in Higher Education
National Council of Teachers of Mathematics
Association of Mathematics Teacher Educators
Association for Supervision and Curriculum Development
Georgia Association of Teacher Educators
Georgia Association of Mathematics Teacher Educators
American Educational Research Association