Grace Petty Douglas

Email: gpdouglas@utexas.edu – Phone: (336) 705-0830

EDUCATION

The University of Texas at Austin
Expected December 2026 - Special Education Doctoral Candidate
Concentration: Learning Disabilities and Behavioral Disorders
Advisor: Dr. Sarah Powell

Davidson College
2021 - BS in Computer Science *Cum Laude*, Minor in Educational Studies

PUBLICATIONS

Peer-Reviewed Journal Articles

Douglas, G. P., Powell, S. R., & Benz, S. A. (2026). Mathematics policy across the United States: A landscape analysis. *Learning Disabilities Research & Practice. 41*(4), 298-313. https://doi.org/10.1177/09388982261465446

Douglas, G. P., Myers, J. A., Mason, K. K., Powell, S. R., & Lariviere, D. O. (2026). A meta-analysis of mathematics fact fluency interventions for students with mathematics difficulties (MD). *Journal of Learning Disabilities*, *59*(3), 135-160. https://doi.org/10.1177/00222194261424914

Douglas, G. P., Hardy, A. M., MacLean, K. B., & Powell, S. R. (2025). "More" effective ways to solve word problems." *The Reading Teacher*, *79*(2), e70022. https://doi.org/10.1002/trtr.70022

Hardy, A. M., **Douglas, G. P.**, MacLean, K. B., Mason, K. K., & Powell, S. R. (2025). How keywords impact word-problem performance: When "more" does not mean to add. *Learning Disability Quarterly*, *49*(1), 3-13 https://doi.org/10.1177/07319487251322473

MANUSCRIPTS UNDER REVIEW

Myers, J. A., Powell, S. R., Pan, Z., Dennis, M., **Douglas, G. P.**, Farotimi, O, Pigott, T., Mason, K. K., & Lariviere, D. O. (2026). *Sources of heterogeneity in mathematics fact-fluency interventions: A meta-analysis of instructional practices using multilevel random forest regression.* [Manuscript under revision].

Didion, L., Powell, S. R., Payne, S. B., Filerman, M. J., **Douglas, G. P.**, & Vitale, J. (under review, *Research in Special Education*). Is the professional development evidence base ready for scale?: A four-decade review and implications for special education. Preprint available on the Open Science Framework, https://doi.org/10.35542/osf.io/vs2mq_v1

*Last name changed from Petty to Douglas in 2023

APPLIED RESEARCH PUBLICATIONS*

Evaluation Reports Presented to State Agencies

Bos S., **Douglas, G.**, Long S, Malerba, C., Shields J., Arens S., & Clark T. (2024). *Charter School Program Grant Implementation Report 2021–22 and 2022–23*. (Prepared for the Texas Education Agency). McREL International. https://tea.texas.gov/reports-and-data/program-evaluations/program-evaluations-charter-schools/cspimplementationreport22-23es.pdf

Hoepfner, D., Rapaport, A., **Petty, G.**, Fitzpatrick, B. (2022). *Results of the 2020-22 Texas Parent Involvement Survey.* (Prepared for the Texas Region 10 Education Service Center). Austin, TX. Gibson Consulting Group. https://www.spedtex.org/sites/spedtex.tea.texas.gov/files/2022-10/2021-2022%20Survey%20Results.pdf

Hoepfner, D., **Petty, G.**, Bos, S., Fitzpatrick, B. (2022). *State Performance Plan Indicator 14 Report: Texas' 2022 Post School Outcomes Survey.* (Prepared for The Sam Houston State University Garrett Center on Transition and Disability Studies). Austin, TX. Gibson Consulting Group. https://tea.texas.gov/academics/special-student-populations/special-education/post-school-outcomes-survey-report-ffy2022.pdf

Hoepfner, D., Rapaport, A., **Petty, G.**, Kilborn, M. (2021). *State Performance Plan Indicator 14 Report: Texas' 2021 Post School Outcomes Survey.* (Prepared for The Sam Houston State University Garrett Center on Transition and Disability Studies). Austin, TX. Gibson Consulting Group. https://acrobat.adobe.com/link/review?uri=urn%3Aaaid%3Ascds%3AUS%3A8c101c94-0dd5-4fff-bb66-f9e053aeb386

Evaluation Reports Presented to School Districts

Douglas, G., Yeomans-Maldonado, G., Osman, D. (2023). *ROC Urban Teaching Fellows Pilot Year Program Evaluation.* (Report prepared for Rochester City Public Schools). Gibson Consulting Group.

Yeomans-Maldonado, G., Fitzpatrick, B., **Douglas, G.**, Osman, D. (2023). *Building Substitute Teacher Program Evaluation: 2022-23.* (Report prepared for Rochester City Public Schools). Gibson Consulting Group.

Osman, D., **Douglas, G.**, & Yeomans-Maldonado, G. (2023). *Assessments Audit.* (Report prepared for Kansas City Public Schools). Gibson Consulting Group.

Osman, D., Yeomans-Maldonado, G., & **Douglas, G.** (2023). *Family and Community Engagement Liaison Program Evaluation.* (Report prepared for Kansas City Public Schools). Gibson Consulting Group.

Osman, D., Fitzpatrick, B., Mitchell, K., & **Douglas, G.** (2023). *Learning Recovery Audit. Learning Recovery Analysis and Assessment Audit Interim Results.* (Report prepared for Garland Independent School District). Gibson Consulting Group.

Long, S. L., Yeomans-Maldonado, G., **Douglas, G.**, Furman, G., Warner, J., & Osman, D. (2023). *First STEP Program Evaluation.* (Report prepared for Fulton County Schools). Gibson Consulting Group.

Osman, D., Long, S. L., **Petty, G.**, & Fitzpatrick, B. (2023). *FOCUS Plan Evaluation Report Year Two: High-Dosage/Small Group Tutoring, 2022-23.* (Report prepared for Fulton County Schools). Gibson Consulting Group.

Long, S., McCulley, L., Osman, D., Jennings, J., **Douglas, G.**, Miller, K., S & Solis, M. (2023). *An Evaluation of the Implementation of Every Child Reads: Year Two.* (Report prepared for Fulton County Schools). Gibson Consulting Group.

Long, S. L., Fitzpatrick, B., Yeomans-Maldonado, G., **Petty, G.**, Osman, D., & Shields, J. (2023). *Program Evaluation of Innovation Outpost Sprint Program: Year 1* (Report prepared for Amarillo College and Innovation Outpost). Gibson Consulting Group.

Malerba, C., Osman, D., Fitzpatrick, B., & **Douglas, G.** (2023). *Full-time Building Substitutes: An Evaluation of 2021-22 ESSER-funded Staffing Efforts.* (Report prepared for Kansas City Public Schools). Gibson Consulting Group.

Bos, S., Gibson, G., Osman, D., Fitzpatrick, B., Haraway, W., & **Petty, G**. (2022). *Summer Learning Programs: 2022 Evaluation* (Report prepared for Hillsborough County Public Schools, FL). Gibson Consulting Group.

Long, S. L., Osman, D. J., Fitzpatrick, B., **Petty, G.**, & Bos, S. (2022). *Summer Learning Programs Evaluation, 2022* (Report prepared for Fulton County Schools, GA). Gibson Consulting Group.

Osman, D., Hoepfner, D., & **Petty, G.** (2022). *Parent Interest Survey Results* (Report prepared for Coppell Independent School District, TX). Gibson Consulting Group.

Osman, D., Long, S., **Petty, G.**, Fitzpatrick, B., Bos, S., & Kilborn, M. (2022). *FOCUS Plan Evaluation Report: Curriculum Mapping and Assessment, 2021-22* (Report prepared for

Fulton County Schools, GA). Gibson Consulting Group.

Long, S., Osman, D., McCulley, L., **Petty, G.**, & Miller, K. (2022). *Every Child Reads: The Landscape of Reading Instruction in Fulton County Schools* (Report prepared for Fulton County Schools, GA). Gibson Consulting Group.

Osman, D., Hoepfner, D., & **Petty, G.** (2022). *Annual Climate Survey: Student Survey Results.* (Report prepared for Belton Independent School District, TX). Gibson Consulting Group.

Osman, D., Hoepfner, D., & **Petty, G.** (2022). *Annual Climate Survey: Employee and Parent Survey Results.* (Report prepared for Lompoc Unified School District, CA). Gibson Consulting Group.

Osman, D., Kilborn, M., **Petty, G.**, & McCulley, L. (2022). *Every Child Reads: A Survey of Elementary and Secondary English Language Arts and Reading Teachers' Literacy Resource Use.* (Report prepared for Fulton County Schools, GA). Gibson Consulting Group.

Shields J., Hoepfner D., **Petty, G.**, Diehl, D. & Crecelius, S. (2022). *Evaluation of the Clark County School District 21st Century Community Learning Centers Grant Program, 2021-22*. (Prepared for Clark County School District, NV). Gibson Consulting Group.

Osman, D., Kilborn, M., Garland, M., & **Petty, G.** (2021). *Learning Acceleration Fall Survey Results.* (Report prepared for Fulton County Schools, GA). Gibson Consulting Group.

Osman, D., Garland, M., **Petty, G.**, & Rappaport, A. (2021). *FOCUS Plan Implementation: Summer Learning, 2021.* (Report prepared for Fulton County Schools, GA). Gibson Consulting Group.

Osman, D., Garland, M., & **Petty, G.** (2021). *Learning Acceleration Summer Professional Learning Survey Results.* (Report prepared for Fulton County Schools, GA). Gibson Consulting Group.

Shields J., Hoepfner D., **Petty, G.**, Diehl, D. & Crecelius, S. (2021). *Evaluation of the Clark County School District 21st Century Community Learning Centers Grant Program, 2020-21*. (Prepared for Clark County School District, NV). Gibson Consulting Group.

OTHER PUBLICATIONS

Akther, S. S., **Douglas, G. P.**, Mao, J., & Powell, S. R. (2025). Research-validated practices for mathematics intervention. William H. Sadlier, Inc. *Sadlier's Progress in Mathematics*

Program. https://www.sadlier.com/hubfs/00_Redesign_2019/School_2019/03_Sch_Downloads/Sch_Download_PDFs/MATH_DL_ResearchValidatedPractices_eBook.pdf

CONFERENCE PRESENTATIONS

Douglas, G. P. (2026, June). *Math SPIRAL (Specialized Instruction to Reach All Learners): A professional learning-coaching model for improving word-problem outcomes for educators and students* [Symposium presentation]. The Mathematical Cognition and Learning Society, Padua, Italy.

Douglas, G. P., Carroll, M., & Mao, J. (2026, March). *Math fluency matters: Essentials for math intervention* [Presentation]. Council for Exceptional Children Convention and Expo, Salt Lake City, UT.

Berry, K. A., Powell, S. R., **Douglas, G. P.**, Hardy, A. M., & Arsenault, T. L. (2025, April). *Investigating two approaches to supporting students' multi-step word-problem solving: Insights for remediation* [Roundtable presentation]. American Education Research Association Annual Meeting, Denver, CO.

Douglas, G. P., Hardy, A. M., MacLean, K. B. & Mason, K. M. (2025, March). *"More" effective ways to solve word problems* [Presentation]. Council for Exceptional Children Convention and Expo, Baltimore, MD.

Carroll, M., MacLean, K. B., & **Douglas, G. P.** (2025, March). *Fundamentals for math intervention: Emphasis on mathematics vocabulary* [Presentation]. Council for Exceptional Children Convention and Expo, Baltimore, MD.

Douglas, G. P. & Arsenault, T. (2024, June). *Essential components of word-problem instruction: Fact-fluency practice* [Symposium presentation]. The Mathematical Cognition and Learning Society, Washington, D.C.

PROFESSIONAL APPOINTMENTS

The University of Texas at Austin
Senior Field Trainer/Analyst — August 2026 - Present
Graduate Research Assistant — September 2023 - August 2026

Gibson Consulting Group
Research Associate — February 2023 - August 2023
Research Assistant — July 2021- January 2023

RESEARCH EXPERIENCE

August 2026 Senior Field Trainer/Analyst

Meadows Center for Preventing Educational Risk
Texas Intervention Academies (Texas Education Agency, PI: Dr. Jennifer Schnakenberg)
Data & Evaluation Manager

- Analyzed survey feedback from facilitators and participants and maintained attendance logs from over 400 participants.
- Created reports of qualitative findings to share with internal team members and external stakeholders.
- Developed AI workflows to increase efficiency and reduce errors in data management.
- Hosted professional learning session by managing meeting logistics including Zoom breakout rooms, participant questions, and sharing materials.
- Prepared internal agendas and planned engagement activities for training.

2025-26 Graduate Research Assistant
Meadows Center for Preventing Educational Risk
Tiered Interventions Using Evidence-Based Research (TIER, Texas Education Agency, PI: Dr. Jennifer Schnakenberg)

- Supported virtual training of trainer events for regional service center staff by managing attendance, timing, and participant materials.
- Implemented an AI workflow to efficiently create certificates for participants.

2024-26 Graduate Research Assistant
Meadows Center for Preventing Educational Risk
Project SPIRAL: Specialized instruction to reach all learners. (Institute of Education Sciences R324X220024, PI: Dr. Sarah Powell)

- Observed and coached 17 grades K-5 teachers in evidence-based mathematics instructional practices.
- Led two virtual professional development sessions on routine word problem solving.
- Created new instructional materials including vocabulary cards, word problem resources, and notebook materials for educators.
- Scored students' pre- and post-test data.

2024-25 Graduate Research Assistant
Meadows Center for Preventing Educational Risk
Ohio Department of Education: Evaluation - Science of Reading Audit (Ohio Department of Education, PI: Dr. Greg Roberts)

- Managed contact information and schedules for a team of 45+ auditors.
- Organized observation sheets and reviewed audit submissions for each auditor.
- Upheld file security via uploads and link settings for shared Box folders.
- Quality checked audit reporting.

2023-24 Graduate Research Assistant
Meadows Center for Preventing Educational Risk
Project RAAMPS: The role of algebraic reasoning within additive and multiplicative multi-step problem solving for students with mathematics difficulty. (Institute of Education Sciences R324A200176, PI: Dr. Sarah Powell)

- Conducted pre-testing screening for students in a large urban school district using standardized protocols.
- Conducted one-on-one intervention with seven 4th-grade students using a standardized protocol.
- Conducted small group pre-, mid-, and post-testing using standardized assessments.
- Coded student writing using standardized rubric.
- Coordinated intervention schedule with teachers.

2021-23 Research Assistant & Research Associate
Gibson Consulting Group

- Created and distributed communication materials for data collection efforts including surveys, focus groups, and site visits.
- Scheduled and conducted focus groups and interviews with school leaders, teachers, and families.
- Developed focus group and interview protocols.
- Conducted classroom observations using standardized protocols.
- Programmed and distributed surveys for up to 14,000 recipients for district and state clients via Qualtrics.
- Conducted thematic coding for survey, focus group, and interview data.
- Wrote evaluation reports and created presentations of research findings.

HONORS & AWARDS

2026 *College of Education Graduate Student Research Award*
Funding for dissertation project titled Barriers and Facilitators of Implementing Evidence-Based Mathematics Legislation. ($2,000)

The University of Texas at Austin Department of Special Education Student Travel Award ($455)

The University of Texas Graduate School Professional Development Award ($360)

2025 The University of Texas at Austin Department of Special Education Student Travel Award ($743)

2023 *The University of Texas Recruitment Fellowship*
The Recruitment Fellowship is an award funded by the Graduate School to attract high performing graduate students to The University of Texas at Austin. ($5,000)

RESEARCH EXPERTISE

Qualtrics Programming and Survey Distribution
Qualitative Analysis and Coding (NVivo, Atlas.ti)
Instrument Development for Surveys, Interviews, and Focus Groups
R Software

PROFESSIONAL SERVICE

The University of Texas at Austin

Fall 2025 College of Education Dean Search Committee Student Panelist
Spring 2025 LADDER Fellows Scholars Prospective Students Panelist

Armstrong Public Schools

Spring 2026 Effective Word-Problem Solving Strategies Workshop (n = 15 participants)

Gus Garcia Young Men's Leadership Academy

Spring 2026 College & Career Fair Booth Host

PROFESSIONAL MEMBERSHIPS & CERTIFICATIONS

Mathematics Cognition and Learning Society (MCLS)
Council for Exceptional Children (CEC)
Secondary CLASS Observer Training (2022-2024)
K-3 CLASS Observer Training (2022-2023)
Weikart School Age and Youth Program Quality Assessment, Reliable External Assessor (2021-2023)