

Kristin E Mansell, Ph.D.

Solution Tree Associate
Center for Research in Leadership and Education Fellow
Texas Education Policy Fellow
Utah Teacher Fellow

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Education

Ph.D., Education Leadership Policy; Texas Tech University, Lubbock, Texas, May 2023
Dissertation: Teacher Certification, Attrition Rates, and Student Characteristics: A
Quantitative Study Regarding Science Education Policy
Committee: J. Jacob Kirksey, Ph.D. (chair), Jessica Gottlieb, Ph.D., and Ethan Hutt, Ph.D.

M.Ed., Secondary Science Education; The University of Alabama at Birmingham, Birmingham,
Alabama, 2006

B.A., Classical Languages and Ancient History; The University of Alabama, Tuscaloosa, Alabama, 2003

Honors and Awards

Center for Research in Leadership and Education Fellowship, Texas Tech University

Texas Education Policy Fellowship, Texas Tech University

Utah 7th Grade Science Teacher of the Year, UTSTA, 2022

Hope Street Group, Utah Teacher Fellowship, Utah State Board of Education, 2021-2023

Helen DeVitt Jones Graduate Fellowship, Texas Tech University, Spring 2021

Legislative Intern with Utah State Board of Education, 2021 Winter Legislative Session

National Board Certified Teacher, Early Adolescent Science, 2010. Renewed 2019.

Research Experience

Graduate Research Assistant, Dr. J. Jacob Kirksey, Texas Tech University, College of Education, January
2021 – Present

Graduate Research Assistance, Dr. Jessica Gottlieb, Texas Tech University, College of Education,
January 2021 – Present

Graduate Research Assistant, Dr. Jianlan Wang, Texas Tech University, College of Education, June 2021
to December 2021

Research Grants

January 2022 – August 2022 *Bold Action for a Prosperous Future: Evaluation of House Bill 5 and Career Trajectories of Texas Public High School Graduates*
Program: Grant
Role: Co-Principal Investigator (PI: Jacob Kirksey)
\$99,579

Publications

Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K. E.**, & Crevar, A. R. (2023). Bold action for a prosperous future: Evaluation of the Foundation High School Program and Academic and Career Trajectories of Texas High School Graduates. Texas Tech University. Center for Innovative Research in Change, Leadership, and Education. <https://ttu-ir.tdl.org/handle/2346/90733>

Kirksey, J.J., **Mansell, K.**, & Lansford, L. (In Press). Literacy, Numeracy, and Problem-Solving Skills of Adults with Disabilities in STEM Fields. *Policy Futures in Education*.

Mansell, K., & Gottlieb, J. (Under Initial Review). Exploring Social Networks and Mental Health Support in #AcademicTwitter

Kirksey, J.J., Gottfried, M., Hutt, E., & **Mansell, K.** (Under Initial Review). Preparation of Preservice Teachers to Support the Inclusion of Students with Learning Disabilities.

Policy Briefs and Reports

Mansell, K. E., & Kirksey, J. J. (2023, April). *Shifts in advanced science course-taking and postsecondary and career pathways following Texas House Bill 5* [Brief no. 5]. Texas Tech University. Center for Innovative Research in Change, Leadership, and Education

Mansell, K. E., & Kirksey, J. J. (2023, April). *Access versus attainment: A closer look at the STEM endorsement in Texas public high schools* [Brief no. 4]. Texas Tech University. Center for Innovative Research in Change, Leadership, and Education.

Mansell, K. E., Gottlieb, J., & Kirksey, J.J. (2022). *Endorsement Alignment Between Secondary and Postsecondary Institutions* [Brief no. 1]. Texas Tech University. Center for Innovative Research in Change, Leadership, and Education. <https://ttu-ir.tdl.org/handle/2346/90340>

In Progress

Mansell, K., Crevar, A., & Kirksey, J.J. (In Progress). An Issue of Access? A closer look at advanced placement math and science course offerings in Texas after House Bill 5.

Mansell, K., Kirksey, J.J., & Crevar, A. (In Progress). CTE Math and Science: Access to Postsecondary and Career Success Through Texas House Bill 5's Foundation High School Program.

Lansford, T., Kirksey, J.J., & **Mansell, K.** (In Progress). Stem Teacher Turnover: Where Do They Go?

Conference Presentations

- Mansell, K.,** Kirksey, J.J., & Crevar, A. (2023). CTE Math and Science: Access to Postsecondary and Career Success Through Texas House Bill 5's Foundation High School Program. *Paper presentation at the annual conference of the Association for Education Finance and Policy*, Denver, CO.
- Mansell, K.** Crevar, A., & Kirksey, J.J. (2023). An Issue of Access? A closer look at advanced placement math and science course offerings in Texas after House Bill 5. *Poster presentation at the annual conference of the Association for Education Finance and Policy*, Denver, CO.
- Mansell, K.** (2022). Examining the social network of #utpol and its impact on education policy in Utah. *Paper Presentation at the American Association of Public Policy Analysis and Management*. Washington DC.
- Mansell, K.** (2022). The impact of classroom composition on science teacher retention in Lubbock Independent School District. *Presentation at the Research, Evaluation, and Collaboration for Educational Success Summit*. Lubbock, TX.
- Kirksey, J.J., Freeman, J., & **Mansell, K.** (2022). Comparing types of special education services in charter versus traditional public schools in Texas. *Presentation at the Research, Evaluation, and Collaboration for Educational Success Summit*. Lubbock, TX.
- Mansell, K.** (2022). Using models as formative assessments in the science classroom of in-service teachers. *Poster presentation at the annual meetings of the American Educational Research Association*. San Diego, CA.
- Mansell, K.**, (2022). Developing and using models as assessments to inform the teaching progression in the science classroom. *Poster presentation at the annual National Association of Research in Science Teaching International Conference*, Vancouver, BC.
- Mansell, K.** (2022). Analyzing teacher perceptions of utilizing a district level professional learning community to identify guaranteed curriculum. *Poster presentation at the annual National Association of Research in Science Teaching International Conference*, Vancouver, BC.
- Mansell, K.** & Gottlieb, J. (2022). Exploring Social Networks and Mental Health Support in #Academic Twitter. *Paper presentation at the annual conference of the Association for Education Finance and Policy*, Denver, CO.
- Kirksey, J.J., Freeman, J., & **Mansell, K.** (2022). Comparing types of special education services in charter versus traditional public schools in Texas. *Paper presentation at the annual conference of the Association for Education Finance and Policy*, Denver, CO.
- Mansell, K.** (2021). "Grading Policy Reform." *Presented at the Education Graduate Student Association Conference*, Texas Tech University Virtual Spring Conference.
- Sonju, B. & **Mansell, K.** (2021). "Gaining Clarity: A Shared Process to Ensure Learning for Teachers and Students." *Presented at the Center for the Improvement of Teacher Education and Schooling (CITES)*, Virtual Confernece.

Invited Presentations

- Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K.**, & Crevar, A. (2022). Bold action for a prosperous future: Evaluation of Texas House Bill 5 and academic and career trajectories of Texas public high school graduates. Presentation at the E3 Alliance bimonthly convening of the Central Texas Education Research Collaborative, Virtual.
- Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K.**, & Crevar, A. (2022). Bold action for a prosperous future: Evaluation of Texas House Bill 5 and academic and career trajectories of Texas public high school graduates. Presentation at the Leibniz Institute for Research and Information in Education, Frankfurt, DE.
- Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K.**, & Crevar, A. (2022). Bold action for a prosperous future: Evaluation of Texas House Bill 5 and academic and career trajectories of Texas public high school graduates. Presentation at the University of Houston Education Research Center Brown Bag Series, Virtual.
- Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K.**, & Crevar, A. (2022). Bold action for a prosperous future: Evaluation of Texas House Bill 5 and academic and career trajectories of Texas public high school graduates. Presentation at the Educate Texas convening of the Texas Student Success Council, Austin, TX
- Mansell, K.** (2022). "Formative Assessment in the Science Classroom." *Presented at the Nourish the Future Science Teacher Leader Conference*, Webinar.
- Mansell, K.** (2022). "Personalized Competency Based Learning and its Implementation at Washington Fields Intermediate School." *Presented at the Utah Systems Conference*, Provo, Utah.
- Mansell, K.** (2022). "Authentic Assessments: Using argument to formatively assess student understanding of scientific phenomena and theory." *Presented at the National Science Teacher Association Conference*, Houston, Texas.
- Mansell, K.** (2021). "Authentic Assessments: Using argument to formatively assess student understanding of scientific phenomena and theory." *Presented at the National Science Teacher Association Conference*, Los Angeles, California.
- Mansell, K.** (2021). "Authentic Assessments: Using argument to formatively assess student understanding of scientific phenomena and theory." *Presented at the National Science Teacher Association Conference*, Portland, Oregon.
- Mansell, K.** (2021). "Connecting engaging experiences to phenomena for student sensemaking." *Presented at the Utah Science Teacher Association State Conference*, Provo, Utah.
- Mansell, K.** (2021). "Using Utah's geological resources to engage students in scientific discourse." *Presented at the Utah Science Teacher Association State Conference*, Provo, Utah.
- Mansell, K.** (2021). "Gaudy Goldfish: How to engage student in scientific discourse with genetics." *Presented at the Moment of Science Conference*, Washington County School District.
- Mansell, K.** (2018). "Cross-Curricular Design to Heighten Student Engagement." *Presented at the Alabama National Board Coalition Annual Conference*, Birmingham, Alabama.
- Mansell, K.** (2016). "Cartoon Physics: An engaging extension to a middle school physics classroom." *Presented at the Alabama Science Teacher Association Conference*, Birmingham, Alabama.

Teaching Experience

Data Management (course assistant), *PhD Students*

- Fall 2022

Causal Inference (course assistant), *PhD Students*

- Summer 2022
- Spring 2023

Guest Lecturer, *PhD Students*

- Regression Discontinuity Design and visual depictions of data using causal methods

Practitioner Experience

Solution Tree Associate, November 2022 to present

7th Grade Science Teacher, Washington Fields Intermediate School, Washington, Utah, May 2019 to present

National PLC Model School

Guiding Coalition Member

Science department chair and team lead

Grant recipient, Washington County Schools Foundation, 2019, 2020, 2021, 2022

7th Grade Science Teacher, Hurricane Intermediate School, Hurricane, Utah, August 2018 to May 2019

Grant recipient, Washington County Schools Foundation, 2018

7th and 8th Grade Science Teacher, Bumpus Middle School, Hoover, Alabama, August 2006 to May 2018

Grant Recipient, Hoover Foundation, 2013 and 2016

Dyslexia Screener and Leadership Team Member, 2015 to 2018

Leadership Team, 2008 to 2015

Science Department Head, 2008 to 2015

Scheduling Committee, 2007 to 2013

Science Teacher, Hewitt-Trussville High School, Trussville, Alabama 2005 to 2006

Science Teacher, Shades Valley High School, Irondale, Alabama 2004 to 200

Affiliations

Utah Teacher Fellow, Hope Street group and Utah State Board of Education: 2021-2023

Teacher Leader and Pedagogy Presenter, Nourish the Future: 2020-2023

Treasurer, Education Graduate Student Organization, Texas Tech University: 2021-2022

President – Elect, Utah National Board Coalition: 2021-2022

Utah State Board of Education Special Education Advisory Panel Member: 2021-2022

Member, National Association for the Research in Science Teaching: 2020 – present

Member, Selected as a Submission Reviewer, American Educational Research Affiliation: 2020 – present

Member, National Science Teachers Association: 2004 – present

Member, Utah Science Teachers Association: 2018 – present

Student Board Member, American Journal of Education: 2021 – 2022

Gamma Beta Phi Honor Society, Texas Tech University: Spring 2021

Golden Key Honor Society, Texas Tech University: Spring 2022

Phi Kappa Phi Honor Society, Texas Tech University: Fall 2022

Professional Development

Methodology Coursework

Introduction to Quantitative Educational Statistics

Intermediate Quantitative Educational Statistics

Causal Inferences

Qualitative Methodology in Education

Data Management and Advanced Quantitative Educational Statistics

Certifications

Nearpod Certified Education, 2020

Google Certified Educator, Level 1 and 2, 2020

National Board of Professional Teaching Standards Certification Renewal, Early Adolescent Science, 2019

National Geographic Certified Educator, 2019

National Board of Professional Teaching Standards Certification, Early Adolescent Science, 2010