

## **Kristin E Mansell, Ph.D.**

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### **Education**

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**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

### **Current Position**

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*Texas Tech University (TTU)*

2023 – present      Assistant Professor of Practice of Blended and Personalized Learning  
Department of Curriculum and Instruction  
College of Education

### **Research Affiliations**

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*Texas Tech University (TTU)*

2023 – present      Faculty Affiliate  
Center for Innovative Research in Change, Leadership, and Education  
College of Education

### **Research Grants**

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- **Mansell, K. E.** (Principal Investigator), Crevar, A. (Co-Principal Investigator), & Kirksey, J. J. (Co-Principal Investigator), “Exiting Estacado: Pathways to Success through the Early College High School Model,” Sponsored by Texas Tech College of Education East Lubbock Promise Neighborhood,” \$5,000. (January 2023 – December 2024).
- Greenhalgh-Spencer, H., (Principal Investigator), Sungwon, S. (Co-Principal Investigator), Cheon, J. (Co-Principal Investigator), **Mansell, K. E.** (Co-Principal Investigator), Gottlieb, J. J. (Co-Principal Investigator), Wiseman, A. (Co-Principal Investigator), Childers, G. (Co-Principal Investigator), Kirksey, J. J. (Co-Principal

Investigator), Hite, R. (Co-Principal Investigator), & Stevens, T. (Co-Principal Investigator), “MIZ Design and Implementation,” Sponsored by Texas Education Agency,” \$1,728,000. (December 2023 – August 2026).

- Kirksey, J.J. (Principal Investigator), Wiseman, A. (Co-Principal Investigator), Gottlieb, J. J. (Co-Principal Investigator), Lansford, T. L. (Co-Principal Investigator), **Mansell, K. E.** (Co-Principal Investigator), Crevar, A. (Co-Principal Investigator), “Bold Action for a Prosperous Future: Evaluation of Texas House Bill 5 and Academic and Career Trajectories of Texas Public High School Graduates,” Sponsored by Philanthropy Advocates, Foundation, \$99,579. (January 2022 – August 2022)

### *Pending*

- Kirksey, J. J. (Principal Investigator), **Mansell, K. E.** (Co-Principal Investigator), Crevar, A. (Co-Principal Investigator), Gottlieb, J. J. (Co-Principal Investigator), & Mendez, J. (Co-Principal Investigator), “DRIVE-CS: Dyslexia Resources and Interventions for Vocation and Education for Computer Science,” Sponsored by National Science Foundation, Federal, \$449,981. (August 2024 – July 2027).
- **Mansell, K. E.** and Crevar, A. (Co-Principal Investigator), “Examining the Persistence of Inequalities in Texas Schools Through Energy Labor-Market Shifts and the Impact on Teacher Attrition,” Sponsored by the Russell Sage Foundation, \$75,000. (June 2024 – May 2026).

### **Publications**

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#### *Refereed Journal Articles*

**Mansell, K. E.** (2023). Does Teacher Certification Matter? A Closer Look at First-Year Science Teacher Impacts on Student Outcomes in Texas. *Review of Education*. [IF: 2.4] [In Press]

Kirksey, J. J., **Mansell, K. E.**, & Lansford, T. (In Press). Literacy, numeracy, and problem-solving skills of adults with disabilities in STEM fields. *Policy Futures in Education*. [IF: 1.296] <Online first: <https://doi.org/10.1177/14782103231177107>.

#### *Policy Briefs and Reports*

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>

Gottlieb, Jessica J., Lansford, Teresa, **Mansell, Kristin E.**, & Kirksey, J.J. (2023, Fall). *STEM Teacher Career Paths: Where do they come from and where do they go?* [Brief no. 1] Texas Tech University. Center for Innovative Research in Change, Leadership, and Education. <https://hdl.handle.net/2346/95584>

**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. <https://hdl.handle.net/2346/93034>

**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. <https://hdl.handle.net/2346/93033>

**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>

### **Working Papers**

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The following manuscripts are in review in either *American Journal of Education*, *American Educational Research Journal*, *Educational Evaluation and Policy Analysis*, *Educational Researcher*, *AERA Open*, or *Review of Education*.

**Mansell, K. E.** (2023). Do Intervention Courses Have an Effect on Science Achievement? A Propensity-Score Matching Analysis *Teachers College Record*. [Revised and Resubmitted, December 2023]

**Mansell, K. E.** (Under Initial Review). Science Teacher Turnover in Texas: Who are They and Where do They go?

Gottlieb, Jessica J., Lansford, Teresa, **Mansell, K. E.**, & Kirksey, J.J. (Under Initial Review) STEM Teacher Career Paths: Where do they come from and where do they go?

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

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

### *Policy Briefs and Reports*

**Mansell, K. E.** & Greenhalgh-Spencer, H. (Under Initial Review). Enhancing Math Education in Texas Through Blended Learning: A Closer Look at Math Innovation Zones

**Mansell, K. E.** & Greenhalgh-Spencer, H. (Under Initial Review). Enhancing Math Education in Texas Through Blended Learning: An Evaluation of Program Survey Data

**Mansell, K. E.** & Greenhalgh-Spencer, H. (Under Initial Review). Enhancing Math Education in Texas Through Blended Learning: The COVID Effect

**Mansell, K. E.** & Greenhalgh-Spencer, H. (Under Initial Review). Enhancing Math Education in Texas Through Blended Learning: A District Case Study Highlighting the Transformative Impact

### *Manuscripts In Progress*

**Mansell, K. E.** & Greenhalgh-Spencer, H. (In Progress). Enhancing Math Education in Texas Through Blended Learning

**Mansell, K. E.**, 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. E.**, 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.

Kirksey, J.J., Freeman, J., & **Mansell, K. E.** (In Progress). Comparing types of special education services in charter versus traditional public schools in Texas.

### **Refereed Conference Presentations**

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Kirksey, J.J., **Mansell, K. E.**, Robison, E., & Sobehrad, L. (2024). Retaining Talent: The Role of the Texas Teacher Incentive Allotment in a Small Urban School District. *Poster Presentation at the annual conference of the Association of Education Finance and Policy*. Baltimore, MD.

**Mansell, K. E.** & Greenhalgh-Spencer, H. (2024). Enhancing Math Education in Texas Through Blended Learning: A Closer Look at Math Innovation Zones. *Paper Presentation at the annual conference of the Association of Education Finance and Policy*. Baltimore, MD.

**Mansell, K. E.** (2024). Science Teacher Turnover in Texas: Who are They and Where do They go? *Paper Presentation at the Hawaii International Conference on Education*. Hawaii, HI.

- Kirksey, J. J., Roland, A., Varney, N., Robison, E., Reyna, M., Nagawekar, S., **Mansell, K. E.**, Crevar, A. R., & Lansford, T. (2024). Teacher turnover and student achievement under the Texas Teacher Incentive Allotment: Insights from an urban school district. *Paper presentation at the annual conference of the IAFOR International Conference on Education*, Hawaii, HI.
- Mansell, K. E.**, Crevar, A., & Kirksey, J.J. (2023). An Issue of Access? Advanced placement offerings following Texas House Bill 5. *Poster presentation at the American Association of Public Policy Analysis and Management*, Atlanta, GA.
- Mansell, K., E.** 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. E.**, 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. E.** (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. E.** (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. E.** (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. E.** (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. E.** (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. E.** (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. E. & 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. E.** (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. E.** (2021). "Grading Policy Reform." *Presented at the Education Graduate Student Association Conference*, Texas Tech University Virtual Spring Conference.

Sonju, B. & **Mansell, K. E.** (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**

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**Mansell, K. E.** (2023). Science Teacher Turnover in Texas: Who are they and where do they go? *Presentation at the Center for Innovative Research in Change, Leadership, and Education's annual RECESS Collaborative*, Lubbock, TX.

Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K. E.**, & Crevar, A. (2023). 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 Center for Innovative Research in Change, Leadership, and Education's annual RECESS Collaborative*, Lubbock, TX.

**Mansell, K.** (2023). "Formative Assessment in the Science Classroom." *Presented at the Nourish the Future Science Teacher Leader Conference*, Webinar.

Kirksey, J. J., Wiseman, A. W., Gottlieb, J. J., Lansford, T., **Mansell, K. E.**, & 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. E.**, & 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. E.**, & 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. E.**, & 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. E.** (2022). "Formative Assessment in the Science Classroom." *Presented at the Nourish the Future Science Teacher Leader Conference, Webinar.*
- Mansell, K. E.** (2022). "Personalized Competency Based Learning and its Implementation at Washington Fields Intermediate School." *Presented at the Utah Systems Conference, Provo, Utah.*
- Mansell, K. E.** (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. E.** (2021). "Connecting engaging experiences to phenomena for student sensemaking." *Presented at the Utah Science Teacher Association State Conference, Provo, Utah.*
- Mansell, K. E.** (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. E.** (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. E.** (2018). "Cross-Curricular Design to Heighten Student Engagement." *Presented at the Alabama National Board Coalition Annual Conference, Birmingham, Alabama.*
- Mansell, K. E.** (2016). "Cartoon Physics: An engaging extension to a middle school physics classroom." *Presented at the Alabama Science Teacher Association Conference, Birmingham, Alabama.*

## **Teaching Experience**

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Foundations of Blended and Personalized Learning, *Graduate students*

- Fall 2023

Demonstrations of Advanced Models of Personalized Learning, *Graduate students*

- Fall 2023

Research Topics in Personalized Learning, *Graduate students*

- Fall 2023

Data Management (course assistant), *PhD students*

- Fall 2021, 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

## **Graduate Research Experience**

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Graduate Research Assistant, Dr. J. Jacob Kirksey, Texas Tech University, College of Education, January 2021 – May 2023

- Program Evaluation of Opportunity Culture in Midland Independent School District
- Program Evaluation of Opportunity Culture in Ector County Independent School District
- STEM Teacher Career Pathways
- Evaluation of Texas House Bill 5

Graduate Research Assistance, Dr. Jessica Gottlieb, Texas Tech University, College of Education, January 2021 – May 2023

- Social Network Analysis

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

- Modeling as a Formative Assessment in the Science Classroom

## **Service**

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### *Profession*

- Ad Hoc Reviewer
  - *Fire: Forum for International Research in Education* (1): 2023
  - *Educational Administration Quarterly* (1): 2020
  - *Higher Education Policy* (1): 2020
- Student Editorial Board Member, *American Journal of Education*: 2021 - 2022

### *College*

- Reviewer, Center for Innovative Research in Change, Leadership, and Education
- PhD Student Representative and Co-coordinator, *Center for Innovative Research in Change, Leadership, and Education*. “*Research, Evaluation, and Collaboration for Educational Success Summit*”: 2022 - 2023

### *Community*

- Faculty Representative, *Research-to-Practice Partnership – Lubbock Education Policy Initiative*: 2023 - present



## **Practitioner Experience**

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Solution Tree Associate, November 2022 - present

7<sup>th</sup> Grade Science Teacher, Washington Fields Intermediate School, Washington, Utah, 2019 - 2023

National PLC Model School

Guiding Coalition Member

Science department chair and team lead

Grant recipient, Washington County Schools Foundation

7<sup>th</sup> Grade Science Teacher, Hurricane Intermediate School, Hurricane, Utah, 2018 - 2019

Grant recipient, Washington County Schools Foundation

7<sup>th</sup> and 8<sup>th</sup> Grade Science Teacher, Bumpus Middle School, Hoover, Alabama, 2006 - 2018

Grant Recipient, Hoover Foundation

Dyslexia Screener and Leadership Team Member

Leadership Team

Science Department Head

Scheduling Committee

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

Science Teacher, Shades Valley High School, Irondale, Alabama 2004 - 2005

## **Academic Honors, Fellowships, and Awards**

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Texas Tech University Faculty Mentorship Academy: 2023 - 2024

Texas Education Policy Fellowship, *Texas Tech University*: 2022 - 2023

Utah 7<sup>th</sup> Grade Science Teacher of the Year, *Utah Science Teacher Association*: 2022

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

Helen DeVitt Jones Graduate Fellowship, *Texas Tech University*: 2021

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

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

## **Affiliations**

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Utah Teacher Fellow, Hope Street group and Utah State Board of Education

Utah State Board of Education Special Education Advisory Panel Member

National Association for the Research in Science Teaching

American Educational Research Affiliation

National Science Teachers Association

Utah Science Teachers Association

Gamma Beta Phi Honor Society, Texas Tech University

Golden Key Honor Society, Texas Tech University  
Phi Kappa Phi Honor Society, Texas Tech University

## **Professional Development**

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### **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  
Google Certified Educator, Level 1 and 2  
National Geographic Certified Educator