

JOSEPH BUREY

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EDUCATION

PhD in Educational Psychology

2023-present

Psychological Foundations of Education

University of Minnesota

Dissertation: *Representation Matters, But What Type? The Influence of Critical Contexts on Black Students' Understandings and Attributions of Systemic Racism*

Committee: Pani Kendeou, Laura Allen, Juan Del Toro, Geoff Maruyama

MA in Educational Psychology

2021-2023

Psychological Foundations of Education

University of Minnesota

BSc (Honours) in Behaviour, Cognition, & Neuroscience

2015-2019

University of Windsor

SCHOLARLY INTERESTS

Black students' psychological responses to critically contextualized Black representations

PUBLICATIONS

Peer-Reviewed Journal Articles

DeJoseph, M. L., Carosella, K. A., & NextGen Lead Mentors (2023). Diversifying the academy through a peer-to-peer mentorship model: Insights and recommendations from the NextGen Psych Scholars Program (NPSP). *Journal of Diversity in Higher Education*. <https://dx.doi.org/10.1037/dhe0000504>

Contributions: NextGen Lead Mentor Consortium Co-author

Kim, J., Burey, J., Hwang, H., McMaster, K. L., & Kendeou, P. (2023). Supporting inference-making during COVID-19 through individualized scaffolding and feedback: a natural experiment. *Reading & Writing*, 36, 467-490.

Contributions: Writing - original draft, writing - review & editing

Ly, A., Zemek, R., Wright, B., Zwicker, J., Schneider, K., Mikrogianakis, A., Conradi, A., Johnson, D., Clark, B., Barlow, K., **Burey, J.**, Kolstad, A., & Yeates, K. O. (2021). "What is the actual goal of the pathway?": Examining emergency department physician and nurse perspectives on the implementation of a pediatric concussion pathway using the theoretical domains framework. *BMC Health Services Research*, 21(119). doi:10.1186/s12913-021-06110-2

Contributions: Writing - original draft, writing - review & editing

Accepted

Burey, J. (2025). American Fiction: Cultivating critical thinking through Black representation in film [Manuscript accepted with revisions]. *Black Camera*.

Contributions: Conceptualization, investigation, project administration, writing - original draft, writing - review & editing

Burey, J. (2025). Cultivating critical consciousness in Black education: Issues of misrepresentation and systemic resistance [Manuscript accepted with revisions]. *Journal of Negro Education*.

Contributions: Conceptualization, investigation, project administration, writing - original draft, writing - review & editing

Under Review

Burey, J., Kim, J., Kohli, N., McMaster, K.L., & Kendeou, P. (2025). The promise of computer-based literacy learning: The effect of ELCII on kindergarteners' inference skill development [Manuscript under review].

Contributions: Conceptualization, Data curation, formal analysis, visualization, writing - original draft, writing - review & editing

In Preparation

Burey, J., Stagnaro, K., Allen, L., Kendeou, P. (2026). Changes to the AP African American Studies curriculum: A natural language processing investigation [Manuscript in preparation].

Contributions: Conceptualization, data curation, formal analysis, investigation, methodology, project administration, software, visualization, writing - original draft, writing - review & editing

Burey, J. (2026). Representation matters, but what type? Black students' responses to textual representations of Blackness [Manuscript in preparation].

Contributions: Conceptualization, data curation, investigation, project administration, writing - original draft, writing - review & editing

Conference Proceedings

Burey, J., Kim, J., McMaster, K.L., Kendeou, P. (2022). Does it work for everyone? The effect of ELCII on kindergarteners' inference skill development. In C. Chinn, E. Tan, C. Chan, & Y. Kali (Eds.) *Proceedings of the 16th International Conference of the Learning Sciences 2022* (pp. 1329 - 1332). International Society of the Learning Sciences.

Contributions: Conceptualization, data curation, formal analysis, project administration, visualization, writing - original draft, writing - review & editing

HONORS & AWARDS

National Finalist, AERA 2023 Shark Tank on Equity-Focused Research Designs	2023
Most Effective Research Design, UMN CEHD Research Day	2023
Student Research Award, Psychological Foundations of Education	2022
Gold Medallion Scholar, University of Windsor	2019
Residence Academic Achievement Award, University of Windsor	2016

FUNDING

University of Minnesota GradSEHD Travel Grant (\$250)	2025
University of Minnesota Anti-Racist Action Award (\$250)	2025
University of Minnesota Jeanette Paul Scholarship (\$1000)	2025
ST&D Walter Kintsch Student Travel Award (\$285)	2024
AERA Annual Meeting Graduate Student Assistance Fund (\$500)	2024
Department of Educational Psychology Conference Travel Grant (\$500)	2022-2025
Psychological Foundations of Education Conference Travel Grant (\$500)	2022-2025
University of Windsor Blue and Gold Entrance Scholarship (\$1000)	2015

CONFERENCE PRESENTATIONS & INVITED TALKS

Burey, J., Stagnaro, K., Allen, L., Kendeou, P. (2025, August 7-9). *Changes to the AP African American Studies curriculum: A natural language processing investigation* [Poster presentation]. American Psychological Association Convention 2025, Denver, CO, United States.

Burey, J., (2025, April 25-27). Representation matters, but what type? The influence of critical contexts on Black students' understandings and attributions of systemic racism [Roundtable]. 2025 American Educational Research Association Annual Meeting, Denver, CO, United States.

Burey, J., Stagnaro, K., Allen, L., Kendeou, P. (2024, July 17-19). *Changes to the AP African American Studies curriculum: A natural language processing investigation* [Poster presentation]. 2024 Annual Meeting of the Society for Text and Discourse, Chicago, IL, United States.

Burey, J. (2024, July 11-14). *Representation matters, but what type? Black students' psychological responses to textual representations of Blackness* [Poster presentation]. 26th Black Graduate Conference in Psychology, Ann Arbor, MI, United States.

Hwang, H., McMaster, K.M., Kendeou, P., Slater, S., Choi, S., Reno, E., **Burey, J.**, Harsch, R., Guha, M. (2024, July 10-13). *Enhancing K-5 students' literacy and knowledge through content-rich curricula: Using Inference Galaxy to build literacy skills and content knowledge in kindergarten* [Paper presentation]. Society for the Scientific Study of Reading 31st Annual Conference, Copenhagen, DK.

Burey, J., Stagnaro, K., Allen, L., Kendeou, P. (2024, April 11-14). *Changes to the AP African American Studies curriculum: A natural language processing investigation* [Poster presentation]. 2024 American Educational Research Association Annual Meeting, Philadelphia, PA, United States.

Morton, T.R., Coleman, C., **Burey, J.**, Morton, F., Bishara, K., Stewart, I., Ivey, A., Mustafaa, F.N., Davis, N.R., Osai, E., & White, A.M. (Discussant). (2024, April 11-14). Black Students' Psychological Responses to Ethnic-Specific Textbook Representations. In D. Gray (Chair), *Conceptualizing Black consciousness within motivation research* [Symposium]. 2024 American Educational Research Association Annual Meeting, Philadelphia, PA, United States.

Morton, T. (Chair), Anderson, J., Patton Davis, L., Fenwick, L., & Artiles, A. (Participants), Riley, A., & **Burey J.** (Invited Questioners). (2024, April 11-14). *Investigating the past to understand the present and envision the future: A continued conversation on Brown*. [Invited speaker session]. 2024 American Educational Research Association Annual Meeting, Philadelphia, PA, United States.

Burey, J. (2024, March 1). *Changes to the AP African American Studies curriculum: A natural language processing investigation* [Poster presentation]. 2024 Educational Psychology Graduate Student Research Day, Minneapolis, MN, United States.

Burey, J. (2023, May 18-19). *Conceptualizing the effects of educational marginalization on academic disengagement among Black students* [Poster presentation]. 2023 Common Ground Consortium, Minneapolis, MN, United States.

- Burey, J.** (2023, April 13-16). *The Effects of educational marginalization on Black students' intellectual engagement* [Invited Speaker Session]. 2023 American Educational Research Association Annual Meeting, Chicago, IL, United States.
- Kendeou, P., McMaster, K.L., **Burey, J.**, Kim, J., Slater, S., Harsch, R., Reno, E., Stagnaro, K., Hwang, H., Choi, S. (2023, March 23). *A suite of language comprehension tools for grades K-2*. [Poster presentation]. College of Education and Human Development (CEHD) Research & Innovation Day, University of Minnesota, Minneapolis, MN, United States.
- Burey, J.** (2023, January 27). *Conceptualizing the effects of educational marginalization on academic disengagement among Black students* [Poster presentation]. 2023 Educational Psychology Graduate Student Research Day, Minneapolis, MN, United States.
- Burey, J.**, Johnson, V., Kendeou, P. (2022, November 17-20). *Who provided the correction? Gender and knowledge revision evaluations* [Poster presentation]. Psychonomic Society 63rd Annual Meeting, Boston, MA, United States.
- Burey, J.**, Samimi, C., Schmit, Z., Chandrasekharan, N. (2022, November 3-4). *Digital Justice Ideathon: Creating space to make change in community* [Roundtable]. Data 4 Public Good 3rd Annual Conference, Virtual.
- Orcutt, E., Kendeou, P., McMaster, K., Reno, E., **Burey, J.**, Kim, J., Slater, S., Harsch, R., Stagnaro, K., Hwang, H., & Chen, C. (2022, October 20-21). *Inference Galaxy: A suite of language comprehension tools for grades K-2*. [Poster presentation]. Alaska School Psychologists Association Conference, Anchorage, AK, United States.
- Burey, J.**, Kim, J., McMaster, K.L., Kendeou, P. (2022, August 4-6). *From equality to equity: Assessing the promise of computer-based literacy learning* [Poster presentation]. American Psychological Association Convention 2022, Minneapolis, MN, United States.
- Hwang, H., Kim, J., **Burey, J.**, Wilke, B., Kendeou, P., & McMaster, K. (2022, August 4-6). *Supporting kindergarteners' inference-making: Are two media better than one?* [Paper Presentation]. American Psychological Association Convention 2022, Minneapolis, MN, United States.
- Hwang, H., Kim, J., **Burey, J.**, Kendeou, P., & McMaster, K.L. (2022, August 4-6). *Impact of language comprehension individualized instruction on kindergarteners' inference-making* [Poster presentation]. American Psychological Association Convention 2022, Minneapolis, MN, United States.
- Kim, J., Hwang, H., **Burey, J.**, Kendeou, P., & McMaster, K.L. (2022, August 4-6). *Supporting inference-making during COVID-19 through individualized instruction*. [Poster presentation]. American Psychological Association Convention 2022, Minneapolis, MN, United States.

- Kim, J., Hwang, H., **Burey, J.**, Kendeou, P., & McMaster, K.L. (2022, August 4-6). *Do students' inference-making skills transfer across different media?* [Poster presentation]. American Psychological Association Convention 2022, Minneapolis, MN, United States.
- Hwang, H., Kim, J., **Burey, J.**, Kendeou, P., & McMaster, K.L. (2022, July 19-21). *Does scaffolding support inference-making in primary-grade students?* [Poster presentation]. The 32nd Annual Conference of the Society for Text and Discourse, Atlanta, GA, United States.
- Burey, J.**, Kim, J., McMaster, K.L., Kendeou, P. (2022, July 13-16). *The effect of ELCII on kindergarteners' inference making: Does it work for everyone?* [Paper presentation]. Society for the Scientific Study of Reading 29th Annual Meeting, Newport Beach, CA, United States.
- Burey, J.**, Kim, J., McMaster, K.L., Kendeou, P. (2022, June 6-10). *Does it work for everyone? The effect of ELCII on kindergarteners' inference skill development* [Paper presentation]. International Society of the Learning Sciences Annual Meeting 2022, Hiroshima, Japan.
- Burey, J.**, Kim, J., McMaster, K.L., Kendeou, P. (2022, April 27). *From equality to equity: Assessing the promise of computer-based literacy learning* [Paper presentation]. University of Minnesota First Year Fest, Minneapolis, MN, United States.
- Kendeou, P., McMaster, K.L., Reno, E.A., **Burey, J.**, Kim, J., Orcutt, E., Slater, S., Harsch, R., Stagnaro, K., Hwang, H., Chen, C. (2022, March 24). *Supporting early elementary students' reading comprehension development using Inference Galaxy* [Poster presentation]. College of Education and Human Development Research Day, Minneapolis, MN, United States.
- Burey, J.**, Kim, J., McMaster, K.L., Kendeou, P. (2022, March 16). *From equality to equity: Assessing the promise of computer-based literacy learning* [Poster presentation]. Learning Informatics Lab Research Symposium, Minneapolis, MN, United States.
- Burey, J.**, Kim, J., McMaster, K.L., Kendeou, P. (2022, February 4). *From equality to equity: Assessing the promise of computer-based literacy learning* [Poster presentation]. 2022 Educational Psychology Graduate Student Research Day, Minneapolis, MN, United States.
- Burey, J.**, & Abeare, C.A. (2019, May 3). *The effect of sport-related concussion on emotion regulation in university athletes* [Poster presentation]. Ontario Psychology Undergraduate Thesis Conference 49th Annual Meeting, Waterloo, ON, Canada.

TEACHING

Teaching Assistant Learning, Cognition, & Assessment Instructor: Ananya Matewos University of Minnesota	2025
Lead Instructor Psychology of Multiculturalism in Education University of Minnesota	2025
Guest Lecturer “Learning From Text,” Cognitive Psychology Research Methods Instructor: Dr. Jeffrey Bye California State University, Dominguez Hills	2024
Teaching Assistant Psychological Science Applied Instructor: Dr. Martin Van Boekel University of Minnesota	2022-2023
Mean Instructor Rating: 97.3% (5.84 / 6.00)	
Senior Psychology Mentor Intro to Psychology as a Social Science Instructor: Dr. Jill Singleton-Jackson University of Windsor	2019
Teaching Assistant Introduction to the Brain and Human Behavior Instructor: Dr. Laszlo Erdodi University of Windsor	2018-2019
Senior Psychology Mentor Intro to Psychology as a Behavioral Science Instructor: Dr. Jill Singleton-Jackson University of Windsor	2018

RESEARCH

Graduate Research Assistant Early Language Comprehension Individualized Instruction (ELCII) Project PIs: Dr. Panayiota Kendeou and Dr. Kristen McMaster University of Minnesota	2021-2025
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Program Assistant The Canadian Childhood Nephrotic Syndrome (CHILDNEPH) Study PI: Dr. Susan Samuel University of Calgary	2020-2021
School Lead Researcher SHRed Concussions Project PI: Dr. Carolyn Emery University of Calgary	2019-2020
Research Assistant Cognitive Neuropsychology Lab PI: Dr. Lori Buchanan University of Windsor	2018-2019
Research Assistant Experimental and Clinical Neuropsychology Lab PI: Dr. Christopher Abeare University of Windsor	2017-2019
Research Assistant Alberta Children's Hospital Research Institute PI: Dr. Keith Yeates University of Calgary	2018
Research Assistant Adapted Physical Exercise for Adults with ASD-ID (APEX) Program PI: Dr. Nadia Azar University of Windsor	2017
KNOWLEDGE TRANSLATION & CREATIVE WORKS	
Research Poster Presenter University of Minnesota Juneteenth Community Celebration	2023
Creator and Host The Insightful Thinkers Podcast Select episodes: <i>Malcolm X: A Voice of Black Empowerment</i> , <i>The Origins of Jazz Music</i> , <i>The Harlem Renaissance</i> , <i>The Black Panther Party</i>	2020-2021
SERVICE & OUTREACH	
MotSIG GSC Mentor-Mentee Program Chair American Educational Research Association	2023-present

NextGen Psych Scholars Program Lead Mentor 2021-2024
University of Minnesota

Juneteenth Celebration Organizing Committee 2022
University of Minnesota

Digital Justice Interdisciplinary Ideathon Fellow 2021-2022
University of Minnesota

Reviewer 2021
International Society of the Learning Sciences Annual Meeting 2022

Aphasia Conversation Group Facilitator 2019
Hôtel Dieu Grace Healthcare

Psychology Department Council Undergraduate Representative 2017-2018
University of Windsor

Science Advisor 2016
University of Windsor

PROFESSIONAL AFFILIATIONS

American Educational Research Association 2022-present
Division C: Learning and Instruction
Research Focus on Black Education Special Interest Group (RFBE)
Motivation in Education Special Interest Group (MotSIG)

American Psychological Association 2022-present
Division 15: Educational Psychology