

JOSEPH BUREY

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January 2025

EDUCATION

PhD in Educational Psychology Psychological Foundations of Education University of Minnesota	2023-present
MA in Educational Psychology Psychological Foundations of Education University of Minnesota	2021-2023
BSc (Honours) in Behaviour, Cognition, & Neuroscience University of Windsor	2015-2019

SCHOLARLY INTERESTS

Students' psychological responses to self-relevant racial identity 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

Under Review

Burey, J., Stagnaro, K., Allen, L., Kendeou, P. (2025). Changes to the AP African American Studies curriculum: A natural language processing investigation [Manuscript under review].

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

Burey, J. (2025). American Fiction: Cultivating critical thinking through Black representation in film [Manuscript under review].

Contributions: Conceptualization, data curation, 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 under review].

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

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. (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

CONFERENCE PRESENTATIONS & INVITED TALKS

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. (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.

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

Society for Text & Discourse Student Travel Fund (\$285)	2024
AERA Annual Meeting Graduate Student Assistance Fund (\$500)	2024
Department of Educational Psychology Travel Grant (\$500)	2024
Psychological Foundations of Education Conference Travel Grant (\$500)	2024
Department of Educational Psychology Travel Grant (\$500)	2023
Psychological Foundations of Education Conference Travel Grant (\$500)	2023
Department of Educational Psychology Travel Grant (\$500)	2022
Psychological Foundations of Education Conference Travel Grant (\$500)	2022
Blue and Gold Entrance Scholarship, University of Windsor (\$1000)	2015

TEACHING

Lead Instructor	2025
Psychology of Multiculturalism in Education	
University of Minnesota	

Guest Lecturer	2024
“Learning From Text,” Cognitive Psychology Research Methods	
Instructor: Dr. Jeffrey Bye	
California State University, Dominguez Hills	

Teaching Assistant	2022-2023
Psychological Science Applied	
Instructor: Dr. Martin Van Boekel	
University of Minnesota	

Mean Instructor Rating: 5.84 / 6.00

Senior Psychology Mentor	2019
Intro to Psychology as a Social Science	
Instructor: Dr. Jill Singleton-Jackson	
University of Windsor	

Teaching Assistant	2018-2019
Introduction to the Brain and Human Behavior	
Instructor: Dr. Laszlo Erdodi	
University of Windsor	

Senior Psychology Mentor 2018

Intro to Psychology as a Behavioral Science

Instructor: Dr. Jill Singleton-Jackson

University of Windsor

RESEARCH

Graduate Research Assistant 2021-present

Early Language Comprehension Individualized Instruction (ELCII) Project

PIs: Dr. Panayiota Kendeou and Dr. Kristen McMaster

University of Minnesota

Program Assistant 2020-2021

The Canadian Childhood Nephrotic Syndrome (CHILDNEPH) Study

PI: Dr. Susan Samuel

University of Calgary

School Lead Researcher 2019-2020

SHRed Concussions Project

PI: Dr. Carolyn Emery

University of Calgary

Research Assistant 2018-2019

Cognitive Neuropsychology Lab

PI: Dr. Lori Buchanan

University of Windsor

Research Assistant 2017-2019

Experimental and Clinical Neuropsychology Lab

PI: Dr. Christopher Abeare

University of Windsor

Research Assistant 2018

Alberta Children's Hospital Research Institute

PI: Dr. Keith Yeates

University of Calgary

Research Assistant 2017

Adapted Physical Exercise for Adults with ASD-ID (APEX) Program

PI: Dr. Nadia Azar

University of Windsor

KNOWLEDGE TRANSLATION & CREATIVE WORKS

Contributing Author <i>The Conversation</i> "Hope for Educators During Dark Times of American Leadership: A Lesson from the Enlightenment" [Status: Under Review]	2024
Research Poster Presenter University of Minnesota Juneteenth Community Celebration	2023
Creator and Host <i>The Insightful Thinkers Podcast</i> Select episodes: <i>Development of the Mind: Piaget and Vygotsky</i> , <i>Neuroplasticity</i> , <i>The Replication Crisis</i> , <i>The Milgram Experiment</i> , <i>Classical Conditioning</i>	2020-2021
SERVICE & OUTREACH	
MotSIG GSC Conference Mentorship Chair American Educational Research Association	2023-present
NextGen Psych Scholars Program Lead Mentor University of Minnesota	2021-2024
Juneteenth Celebration Organizing Committee University of Minnesota	2022
Digital Justice Interdisciplinary Ideathon Fellow University of Minnesota	2021-2022
Reviewer International Society of the Learning Sciences Annual Meeting 2022	2021
Aphasia Conversation Group Facilitator Hôtel Dieu Grace Healthcare	2019
Psychology Department Council Undergraduate Representative University of Windsor	2017-2018
Science Advisor University of Windsor	2016