

**Curriculum Vitae
Joanna P. Weaver, PhD**

Northeastern University
College of Science, Department of Psychology
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EDUCATION

2019 **PhD**, University at Albany, State University of New York (Educational Psychology)
2016 **MS**, University of Louisville, KY (Experimental Psychology)
2004 **MS Ed**, University of Pennsylvania, PA (Reading, Writing, Literacy)
2001 **BA**, Wesleyan University, CT (History)

ACADEMIC APPOINTMENTS

2025 – **Associate Teaching Professor**, Department of Psychology, Northeastern
Present University
2021– 2025 **Assistant Teaching Professor**, Department of Psychology, Northeastern
University
2019–2021 **Visiting Assistant Professor**, Department of Psychology, Wheaton College, MA
Sp-Fall 2018 **Lecturer**, Department of Psychology, Skidmore College, NY
Sum. 2016 **Lecturer**, Cadre and Faculty Development Course, U.S. Army, Fort Knox, TN

TEACHING EXPERIENCE

Developmental Psychology
Lifespan Development
Child Development
Adolescent Development
Child & Adolescent Development
Learning & Motivation
Lab in Learning & Motivation
Seminar in Learning & Motivation
Seminar in Psychology & Education
Introduction to the Psychological Process of Schooling
Foundations of Psychology
Introductory Psychology
Research in Psychology
Directed Study in Psychology
Instructional Strategies, Cadre Faculty Development Corp

PROFESSIONAL EXPERIENCE

2013–2014 Lab Coordinator, Learning & Performance Lab, University of Louisville, KY
2004–2013 HS Teacher, Philadelphia area, PA (AP Psychology, Social Studies, Reading)

PUBLICATIONS

Pre-Registered Reports

- Yu, Y. et al., ManyNumbers 3: A multi-lab study of demographic correlates of early number knowledge, *Developmental Science* [Registered Report under consideration].
- Abreu-Mendoza, R. et al. ManyNumbers 1: A multi-lab international study of early number knowledge, *Developmental Science* [Registered Report accepted Dec. 30, 2023].

Refereed Articles

- Weaver, J. P.** (manuscript under review). Analogs alleviate cognitive load during exploratory problem-solving and enhance metacognition while learning a new physics concept. *Instructional Science*.
- Baker, E. R., D’Esterre, A., & **Weaver, J. P.** (2021). Executive function and Theory of Mind in explaining young children’s moral reasoning: A Test of the Hierarchical Competing Systems Model. *Cognitive Development*, 58. doi:10.1016/j.cogdev.2021.101035
- Weaver, J. P.**, DeCaro, M. S., & Ralston, P. A. S. (2021). Limited support for use of a social-belonging intervention with first-year engineering students. *Journal for STEM Education Research*, 4, 47-72. doi:10.1007/s41979-020-00041-z
- Weaver, J. P.**, Chastain, R. J., DeCaro, D. A., & DeCaro, M. S. (2018). Reverse the routine: Problem solving before instruction improves conceptual knowledge in undergraduate physics. *Contemporary Educational Psychology*, 52, 36-47. doi:10.1016/j.cedpsych.2017.12.003

Peer-Reviewed Conference Proceedings

- Weaver, J. P.**, DeCaro, M. S., Hieb, J. L., & Ralston, P. A. S. (2016). Social-belonging and first-year engineering mathematics: A cooperative learning intervention. *Proceedings of the American Society for Engineering Education*. doi:10.18260/p.25818

Book Chapters

- Chan-Devaere, V. & **Weaver, J. P.** (under review). Applying, getting hired, and the first year on the job. In M. Maffeo & K. Malavanti (Eds.), *Supporting Teaching-Focused Faculty at Research-Intensive Institutions* (Ch. 1). Society for Teaching of Psychology.

Dissertation

- Weaver, J. P.** (2020). Learning a new physics concept by exploring analogous problems: An instructional intervention. *Dissertation Abstracts International*, 81, 3-B: 1-118.
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CONFERENCE PRESENTATIONS

- Gasparro, K., * Wang, P., & **Weaver, J. P.** (2025, December 10). *Inner confidence to interconnectedness: Higher self-esteem is associated with greater school connectedness in adolescents* [Poster presentation]. Mind & Brain Games Undergraduate Research Symposium, Boston, MA.
- Weaver, J. P.** (2022, October 22). *Write to learn in large psychology classes* [Demonstration]. APA Division 2, Annual Conference on Teaching, Pittsburgh, PA.
- Weaver, J. P.**, Love, J. * (2021, November 6). *Factors impacting college students’ decisions about social contacts in light of COVID risk exposure* [Poster presentation]. New England Psychological Association (NEPA), Virtual.

* Denotes undergraduate student co-author

- Weaver, J. P.,** Chastain, R. J., & DeCaro, M. S. (2020, May 21-24). *Use of analogues during exploratory learning reduces cognitive load while learning a new physics concept* [Poster presentation]. Association for Psychological Science Annual Convention, Chicago, IL.
- Weaver, J. P.,** Chastain, R. J., Penny, S. M., & DeCaro, M. S. (2019, October 17-19). *Exploring analogous problems before lecture enhances consideration of prior knowledge in college physics* [Poster presentation]. Cognitive Development Society Biennial Conference, Louisville, KY.
- Velic, L., **Weaver, J. P.,** & DeCaro, M. S. (2019, October 17-19). *Teaching shortcuts before complex strategies improves flexibility in mathematical equivalence problem solving* [Poster presentation]. Cognitive Development Society Biennial Conference, Louisville, KY.
- Weaver, J. P.,** Chastain, R. J., & DeCaro, M. S. (2019, April 5-9). *Benefits of direct instruction are immediate but not long lasting when compared to exploratory learning* [Poster presentation]. American Educational Research Association Annual Meeting, Toronto, ON.
- Weaver, J. P.** & Baker, E. R. (2019, March 21-23). *Authority inaction affects young children's relational aggression: An experimental study of socio-moral decision-making* [Poster presentation]. Society for Research in Child Development Biennial Meeting, Baltimore, MD.
- Weaver, J. P.,** DeCaro, M. S., & Ralston, P. A. S. (2018, April 13-17). *Limited support for use of a social-belonging intervention with first-year engineering students* [Paper presentation]. American Educational Research Association Annual Meeting, New York, NY.
- Chastain, R. J., **Weaver, J. P.,** DeCaro, M. S., & DeCaro, D. A. (2017, July). *Using an explore-first strategy in introductory-level courses* [Contributed Talk]. American Association of Physics Teachers Summer Meeting, Cincinnati, OH.
- Weaver, J. P.,** Chastain, R. J., DeCaro, D. A., & DeCaro, M. S. (2017, April 27-May 1). *Exploration before instruction improves transfer in undergraduate physics* [Paper presentation]. American Educational Research Association Annual Meeting, San Antonio, TX.
- Weaver, J. P.,** DeCaro, M. S., Hieb, J. L., & Ralston, P. A. S. (2016, June). *Social-belonging and first-year engineering mathematics: A cooperative learning intervention* [Paper presentation]. American Society for Engineering Education National Conference and Exhibition (Educational Research Methods Division), New Orleans, LA.
- Chastain, R. J., **Weaver, J. P.,** DeCaro, M. S., & DeCaro, D. A. (2016, March) *The impact of explore-first versus instruct-first in large enrollment introductory courses* [Paper presentation]. Kentucky Association of Physics Teachers Spring Meeting, Centre College, KY.
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PROFESSIONAL PRESENTATIONS

- Research and Professional Development Panel Participant, University of Louisville, KY (2024)
 “Teaching-Focused Jobs” for graduate students in Experimental Psychology
- Guest Lecturer, Department of Educational Studies, Wheaton College, MA (2020 & 2019)
 “Topics in Child Development” for Massachusetts Tests for Educator Licensure (MTEL) in
 Early Childhood Education

Part-Time Faculty Institute Facilitator, University of Louisville, KY (2016)
 “Group Work Can Work: How to Incorporate Collaborative Learning Techniques into Your Classroom”

RESEARCH EXPERIENCE

- 2022–present Collaborator, David Barner, PI. ManyNumbers NSF Collaborative Grant: A Multi-Lab Investigation of Capacity Limits in Symbolic and Non-Symbolic Number Development (Proposal No: 2201960, funded by NSF from July 15, 2022 – June 30, 2026 for \$1,165,082).
- 2017–2019 Graduate Research Assistant, Social Cognition in Preschoolers Lab. Advisor: Erin Baker, UAlbany, SUNY
- 2016–2017 Graduate Research Assistant, Department of Educational & Counseling Psychology. Advisor: Heidi Andrade, UAlbany, SUNY
- 2015–2016 Graduate Research Assistant, Department of Engineering Fundamentals. Advisor: Patricia Ralston, J. B. Speed School of Engineering, University of Louisville, KY
- 2014–2015 Graduate Research Assistant, Learning & Performance Lab. Advisor: Marci DeCaro, University of Louisville, KY
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SERVICE

Service to the Department

- 2023–present Manager, Psychology Majors and Minors Canvas Page
 Participant in Psychology Department Welcome Days
- 2022–2024 Faculty Advisor, Northeastern Chapter of Psi Chi International Honors Society in Psychology
- 2022 Merit Review Committee Member, Full-Time Non-Tenure Track Faculty

Service to the University

- 2024–present Member, Teacher Rating and Course Evaluation (TRACE) ad-hoc Faculty Senate committee
 Faculty Advisor, Peace Through Play Student Organization
- 2022–present College of Science Liaison, Bouvé College of Health Sciences Early Intervention Program

Service to the Profession

- 2025 External Reviewer for Diana Akhmedjanova’s interim review at the National Research University Higher School of Economics, Moscow, Russia
- 2023–present Ad hoc Journal Reviewer, *Instructional Science*
- 2023-2024 Reviewer, American Psychological Association’s *Project Syllabus*
 Reviewer, *How Children Develop*, Macmillan Learning
- 2020–2023 Ad hoc Journal Reviewer, *Journal of Visualized Experiments (JoVE)*
 Ad hoc Journal Reviewer, *Sustainability, Special Issue: Cognition and Education: How to Create a Sustainable Bridge*
 Reviewer, American Psychological Association, Division 15, APA Convention
 Reviewer, Division C: Learning & Instruction, Section 2b, American Educational Research Association (AERA) Annual Meeting

Beta-tester, *Achieve for Psychology*, Macmillan Learning

Service to the Community/Public

- 2025 Presenter to the Parent-Teacher Association at the Lyndon Pilot School on The Anxious Generation, Boston, MA
 - 2023 Co-Host and Organizer, Fenway High School Psychology Club visit to Northeastern University Department of Psychology
 - 2023 Guest Speaker, Foster Parent Support Group, Bridges Homeward (formerly Cambridge Family & Children’s Service), Cambridge, MA
 - 2018–2021 Building Leadership Team Member, Montessori Magnet School, Albany, NY
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PROFESSIONAL DEVELOPMENT

- 2023-2024 College of Science, Faculty Mentoring
Department of Psychology, Teaching Professors Circle
 - 2022 CATLR, Mentoring Circle: Mindfulness and Contemplative Pedagogy
CATLR, Implementing Project-Based Learning as an Inclusive Pedagogy
CATLR, Integrating Mindfulness Practices in Teaching and Learning
CATLR, Supporting Students in Introductory Courses with Peer Tutoring
 - 2021 CATLR, Strategies and Tools for Teaching Large Classes Reading Group
CATLR, Teaching and Learning in Difficult Times
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HONORS & AWARDS

- 2023 College of Science Full-Time Non-Tenure-Track Faculty Professional Development Award, Northeastern University
 - 2022 Early Career Psychologist Travel Grant, Society for the Teaching of Psychology
 - 2021 Teaching and Learning Assistant for Hybrid Courses, Wheaton College
 - 2020 Wheaton Research Partnership, Wheaton College
 - 2019 Dissertation Research Fellowship Award, Office of Graduate Education, UAlbany
 - 2019, 2018 Graduate Student Association Research Grant, UAlbany
 - 2019, 2018 Graduate Student Employees Union Professional Development Program Award, UAlbany
 - 2018 Karen R. Hitchcock New Frontiers Fund Award, UAlbany
Selected Mentee, Graduate Student Seminar, AERA Division C
American Educational Research Association Annual Meeting
 - 2017 Graduate Student Research Excellence Award, AERA Division C
American Educational Research Association Annual Meeting
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PROFESSIONAL LICENSURES/CERTIFICATES

- 2021 Inclusive STEM Teaching Project Course Completion
 - 2004 Reading Specialist Certificate, Grades K-12, Commonwealth of PA
Social Studies Teaching Certificate, Grades 7-12, Commonwealth of PA
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PROFESSIONAL AFFILIATIONS

American Psychological Association and APA Division 2: Society for Teaching of Psychology

