

Emily B. Hare

Professional Focus

District mathematics leader and applied, research-engaged practitioner specializing in system-level improvement, implementation of high-quality instructional materials, and supporting high-quality mathematics teaching and learning. Experienced in translating research evidence into district- and state-level decision-making.

Education

The University of North Carolina at Greensboro, Greensboro, NC	2024
Ph.D. in Educational Studies, Teacher Education and Development	
Dissertation: <i>Describing the practice of anticipating students' mathematics of secondary mathematics teachers: a multi-case study</i>	
The University of North Carolina at Greensboro, Greensboro, NC	2016
Masters of Middle and Secondary Mathematics Education	
Appalachian State University, Boone, NC	2011
Bachelor of Science, Mathematics Education	

Professional Appointments

PK-12 Director of Mathematics, Guilford County Schools, NC	2022–present
Secondary Mathematics Coordinator, Guilford County Schools, NC	2021–2022
Mathematics District Coach, Randolph County Schools, NC	2018–2021
Adjunct Professor, UNC-Greensboro	2017–2020
Secondary Mathematics Teacher, NC Virtual Public Schools	2017–2018
Research Assistant, UNC-Greensboro (Project: NC Collaborative for Mathematics Learning)	2016–2020
Secondary Mathematics Teacher, Randolph County Schools, NC	2011–2016

Publications

North Carolina Collaborative for Mathematics Learning. (2025). Toward a Vision of High Quality and Equitable Math Instruction for North Carolina. *The Centroid*, 51(1), 3–8.

Hare, E. B. (2024). Describing the Practice of Anticipating Students' Mathematics of Secondary Mathematics Teachers: A Multi-Case Study (Doctoral dissertation, The University of North Carolina at Greensboro).

- Wilson, P. H., McCulloch, A., Wonsavage, F. P., Hare, E., & Baucom, L. N. (2024). Secondary mathematics teachers' anticipations of student responses to cognitively demanding tasks. *Investigations in Mathematics Learning*, 16(2), 65-82.
- Visions High School Design Team. (2024). The "We All Speak Math" campaign: Gaining statewide traction on meaningful mathematical discourse. *Mathematics Teacher: Learning & Teaching PK-12*, 117(10), 737–746.
<https://doi.org/10.5951/MTLT.2024.0029>
- Wilson, P.H., Baucom, L., Hare, E., Wonsavage P., Duggan, A., Webb, J., McCulloch, A., Stephan, M., Mawhinney, K., and Schwartz, C. (2021). Designing a statewide teacher learning community. In B. Faircloth, L. Gonzales, and K. Ramos (Eds.), *Belonging: Conceptual critique, critical application* (pp.105– 120). Roman and Littlefield.
- Visions High School Design Team. (in preparation). Systemic Supports for Improving Mathematical Discourse in Classrooms. *Journal of Mathematics Education Leadership*.
- Visions High School Design Team. (in preparation). Amplifying Voices: Enhancing Mathematics Discourse Through Podcasting. *Mathematics Teacher: Learning and Teaching PK-12*.

Invited Talks & Panels

- [Invited speaker] Career-centered pathways through middle and high school mathematics. *Presentation at the monthly meeting of Council of Great City Schools (CGCS) Mathematics Meeting* | February 2026
- [Invited speaker] Leanings and recommendations for implementing HQIM in mathematics. *EIC Webinar by The National Implementation Research Network* | December 2025
- [Invited panelist] Math 1 Initiative Focus Group. *Western North Carolina GEAR UP* | Monthly September 2025 – May 2026
- [Invited speaker] Systemic change through leading with vision. *Presentation at the monthly meeting of Council of Great City Schools (CGCS) Mathematics Meeting* | October 2024
- [Invited panelist] What's your mathematics improvement story? *Institute of Education Sciences (IES) Mathematics Summit* | Sept 2023

Invited National Convenings

- [Invited Participant] Currents of innovation: Accelerating change in educator professional learning. *Research Partnership for Professional Learning (RPPL) Annual Convening* | November 2025 (Washington D.C.)
- [Invited Participant] Gates Foundation AIMS Collaborative Convenings | 2024–2025 (San Francisco, CA; Los Angeles, CA)

[Invited Participant] *Gates Foundation Effective Implementation Cohort (EIC) Convenings* | 2023–2024 (San Diego, CA; Austin, TX)

Public Scholarship & Media Engagement

[Co-host] Amplifying Voices Podcast Series. *North Carolina Collaborative for Mathematics Learning (NC²ML)* | 2024–2025

Design and co-host mathematics education podcast centering research–practice connections, implementation, and instructional discourse. [[Podcast Homepage](#)]

[Featured guest] Leanings and Recommendations for Implementing HQIM in Mathematics, *The National Implementation Research Network* | December 2025 [[Recording](#)]

[Panelist] e² Coaching™: Taking action to transform instructional practice, *Student Achievement Partners National Webinar* | February 2025 [[Information](#)]

[Panelist] Across America’s classrooms: Literacy and math strategies to engage, adapt, and accelerate, *Discovery Education National Webinar* | September 2025 [[Recording](#)]

[Featured guest] Implementing and Building Capacity – An EIC Story. *Implementation Science for Educators Podcast* (Episode 36), SISEP | February 2023 [[Recording](#)]

Conference Presentations

Hare, E.B., Leak, J., Rosenstein, H. (2026, February). M-Powering teachers in Guilford County Schools: Improving teachers’ mathematics instruction through automated feedback and coaching. *Presentation at the North Carolina Association for Research in Education (NCARE) Conference*, Greensboro, NC.

Hill, H.C., Booth S., & Hare, E.B. Transforming mathematics instruction with AI-assisted teacher coaching. *Presentation at Learning Forward Annual Conference*, Boston, MA.

Hare, E.B., Leichner, R., Myers, R., Hill, S., McCulloch, A., & Wilson, P.H. (2025, October). A statewide campaign for mathematics discourse. *Presentation at the Annual Meeting of the National Council of Supervisors of Mathematics (NCTM)*. Atlanta, GA.

Hare, E.B., Myers, E., Leichner, R., McCulloch, A., & Wilson, P.H. (2025, October). We all speak math: Toolkits for transforming high school mathematics discourse. *Presentation at the 57th NCSM Leadership in Mathematics Education Annual Conference*, Atlanta, GA.

Hare, E.B., (2025, October). Leading with vision: Creating the conditions for systemic change in mathematics instruction. *Presentation at the 57th NCSM Leadership in Mathematics Education Annual Conference*, Atlanta, GA.

Hare, E.B., Schulz, D., Daughtry, L., Dupree, S., & Fairchild, M. (2025, November). Leadership brainstorming: What’s next for math leaders in North Carolina?. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.

- Hare, E.B., Grove, J., Mata, J., & Luck, A. (2025, November). Facilitating an effective launch of a cognitively demanding task. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Luck, A., Leichner, R., Hare, E.B., & Fender, T. (2025, November). NC²ML – What can we do for you?. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Hare, E.B., Lemon, T., & Kuehl, B. (2025, July). Long-term, sustainable implementation. *Presentation at the HIVE annual Open Up Resources conference*, Orlando, FL.
- Hare, E.B. & Hewitt, A. (2025, July). District leadership and implementation teams as levers of teaching and learning to maximize capacity building in mathematics and ELA across the district. *Presentation at the annual meeting of the Council of Great City Schools (CGCS) Curriculum & Research Directors*, Detroit, MI.
- Hare, E.B. & Hewitt, A. (2025, July). Coaching for coherence: Cross-content leadership and implementation support for HQIM. *Presentation at the annual meeting of the Council of Great City Schools (CGCS) Curriculum & Research Directors*, Detroit, MI.
- Hare, E.B., & the Math Teachers of Tomorrow Team. (2024, February). Math & science teachers of tomorrow: An innovative partnership for mathematics teacher preparation. *Presentation at the Annual Meeting of the Association of Mathematics Teacher Educators (AMTE)*. Orlando, FL.
- Hare, E.B. & Tolliver, C. (2024, November) Leading convergence: Effective implementation of high-quality and equitable mathematics instruction. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Hare, E.B., Kuehl, B., & Lemon, T. (2024, September) Supporting mathematics discourse. *Presentation at the 56th NCSM Leadership in Mathematics Education Annual Conference*, Chicago, IL.
- Hare, E.B. (2024, July) Leading convergence: The union of implementation science, mathematics education research, and the real-life practice of district and schools. *Presentation at the annual meeting of the Council of Great City Schools (CGCS) Curriculum & Research Directors*, Chicago, IL.
- Hare, E.B. (2024, July) Enacting the Guilford Country Strategic Direction through the GCS Math Teacher Leader Cohort (TLC). *Presentation at the annual meeting of the Council of Great City Schools (CGCS) Curriculum & Research Directors*, Chicago, IL.
- Hare, E.B. & Leak, J. (2024, January). Lessons Learned from Implementation. *Presentation at Gates Foundation convening of Effective Implementation Cohort*, Austin, TX.
- Lemon, T., Hare, E.B., & Kuehl, B. (2023, November). Effective mathematics teaching practices are equitable teaching practices. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Hare, E.B., Botwe-Rankin, A., Bledsoe, K., & Dutton, L. (2023, November). Transformational coaching support of teachers in the classroom. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Hare, E.B., Grove, J., & Luck, M. (2023, November). Let's climb the ladder: Using area model to build math understanding K-12. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.

- Hare, E.B. & Stevens, K.H. (2023, October). Scaffolds vs. modifications: Differentiating curriculum to meet the needs of each and every student. *Presentation at the annual meeting of the National Council of Teachers of Mathematics (NCTM)*, Washington D.C.
- Hare, E.B. (2023, July). Implementing high-quality instructional materials. *Presentation at the annual meeting of the Council of Great City Schools (CGCS) Curriculum & Research Directors*, Portland, OR.
- Hare, E.B. & Stevens, K. (2022, March). Supporting mathematics coaches in their role as leaders. *Presentation at the annual meeting of North Carolina Association for Middle Level Leaders (NCMLE)*, Charlotte, NC.
- Wilson, P.H., McCulloch, A., Hare, E., Hill, S., Leichner, R., & Holl-Cross, C. (2022, February). NC²ML High School Updates. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Virtual Conference.
- Hare, E.B. & Stevens, K.H. (2022, February). Scaffolding OUR/IM 6-8 lessons to meet the needs of each and every one of our students. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Virtual Conference.
- Hare, E.B. (2019, October). Math PD: Why do we do it? *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Hare, E.B. (2019, October). Analyzing student work with your team. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Winston-Salem, NC.
- Bryant [Hare], E., Duggan, A., Webb, J., Wilson, P.H., & Wonsavage, F. P. (2018, October). Fostering a statewide collaborative community: K-12 updates and looking forward. *Presentation at the annual meeting of North Carolina Council for Teachers of Mathematics (NCCTM)*, Greensboro, NC.
- The NC Collaborative for Mathematics Learning. (2017, October). High School Sequence Options – Share Your Ideas. *Presentation at the annual meeting of the North Carolina Council of Teachers of Mathematics (NCCTM)*, Greensboro, NC.
- The NC Collaborative for Mathematics Learning. (2017, October). NC DPI and the NC²ML. *Presentation at the annual meeting of the North Carolina Council of Teachers of Mathematics (NCCTM)*, Greensboro, NC.
- The NC Collaborative for Mathematics Learning. (2017, October). Collaborating for professional learning. *Presentation at the annual meeting of the North Carolina Council of Teachers of Mathematics*, Greensboro, NC.
- Bryant [Hare], E. & Wonsavage, F. (2017, March). An overview of the North Carolina collaborative of mathematics learning. *Presentation at the eastern region annual meeting of the North Carolina Council of Mathematics Teacher (NCCTM)*, Wilmington, NC
- Webb, J., Wilson, P.H., Martin, M., Duggan, A., & Bryant, E. (2017, January). Learning to lead mathematics discussions in practice-focused professional development. *Presentation at the annual meeting of the Association of Mathematics Teacher Educators (AMTE)*, Orlando, FL.
- Wilson, P.H., Curtis, J., Webb, J., Stephan, M., Mawhinney, K., McCullough, A., & Bryant [Hare], E. (2017, January). The North Carolina Collaborative for Mathematics Learning. *Content sessions presented at the North Carolina Department of Public Instruction High School Math Summit*, Greensboro, NC.

Leadership & Service

Regional Team Lead, NCSM Leadership in Mathematics Education	2025–present
State Math Leadership Chair, North Carolina Council of Teachers of Mathematics	2025–present
Central President, North Carolina Council of Teachers of Mathematics	2025–2027
State Standards Writer, North Carolina Department of Public Instruction	2025–present
State Conference Chair, North Carolina Council of Teachers of Mathematics	2022–present
State Communications Chair, North Carolina Council of Teachers of Mathematics	2021–present
Resource Designer, North Carolina Collaborative for Mathematics Learning	2016–present
District Representative, Association of Mathematics Teacher Educators – North Carolina	2024–2025
High School Steering Committee, VISIONS Project, North Carolina Collaborative for Mathematics Learning	2022–2025
State Vice President, North Carolina Council of Teachers of Mathematics	2021–2023
Conference Committee Member, North Carolina Council of Teachers of Mathematics	2019–2022