

Conference Presentations

Baek, C., Nguyen, V., Gyles, S., Montes-Perales, K., & Warschauer, M. (2026, April 8–12). *Teachers' perspectives on the assets students bring to learning computational thinking and community-based environmental literacy* [Roundtable presentation]. In *Teaching for justice: Centering identity, voice, and real-world relevance in diverse classrooms*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Bisht, A., & Santagata, R. (2026, April 19–22). *Student's development of care and reciprocity for socio-ecological contexts: Co-designing an environmental engineering curriculum*. NARST Annual International Conference, Seattle, WA, United States.

Bisht, A., Gyles, S., Huang, Y., Santagata, R., Williams, T., Kang, H., Long, J., & Ludovise, S. (2026, June 15–19). *Students' sensemaking of community concerns through speculative design*. Annual Meeting of the International Society of the Learning Sciences, Irvine, CA, United States.

Bisht, A., Hackey, T., Santagata, R., Kang, H., Gyles, S., Huang, Y., Williams, T., Long, J., Ludovise, S., & Valdez, E. (2026, April 8–12). *Youth-centered speculative approaches: Community-based data and GIS* [Structured poster]. In *Expanding research practice partnerships: Integrating youth voices for equitable and impactful collaboration*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Bisht, A., Santagata, R., Gyles, S., Kang, H., Huang, Y., Williams, T., Long, J., Ludovise, S., & Valdez, E. (2026, April 8–12). *From voice to action: Developing environmental care through a curriculum co-design process* [Selected roundtable presentation]. In *Community-centered and relational approaches in environmental science and engineering education*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Fuentes Acevedo, P., & Santagata, R. (2026, April 8–12). *Designing for family math: An equitable collaboration with mothers and teachers at the elementary level* [Paper presentation]. In C. Yeh (Chair), *Creating spaces for parents of multilingual children to showcase their expertise and understanding*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Friedland, B., Yett, J., Tsai, N., & Kang, H. (2026, April 15–18). *Beyond sensemaking: A university-district partnership for transdisciplinary justice-centered climate education* [Paper presentation]. National Conference on Science Education, Anaheim, CA, United States.

Furtak, E., Kang, H., Wright, C., & Deverel-Rico, C. (2026, April 19–22). *Culturally sustaining approaches to classroom assessment in science and engineering: Findings, tensions, and open questions* [Symposium]. NARST Annual International Conference, Seattle, WA, United States.

Gyles, S., Cassone McGowan, V., Starks, E., White, B., Bang, M., & Tzou, C. (2026, April 19–22). *Trajectories of faculty attunement to justice in STEM teaching and learning through co-design* [Paper presentation]. In *Expansive science learning for heterogeneity, justice and towards more sustainable futures*. NARST Annual International Conference, Seattle, WA, United States.

Gyles, S., Cassone McGowan, V., Starks, E., White, B., & Tzou, C. (2026, April 19–22). *Developing a design matrix to support science and engineering learning toward heterogeneity, justice and more sustainable futures* [Paper presentation]. In *JuST in the world – Expanding justice-centered ambitious science teaching and learning across contexts*. NARST Annual International Conference, Seattle, WA, United States.

Gyles, S., & Hannegan-Martinez, S. (2026, April 19–22). *Extending justice-centered science through trauma-informed praxis* [Selected paper presentation]. In *Advancing activism, equity, and justice in science education*. NARST Annual International Conference, Seattle, WA, United States.

Gyles, S., & Hannegan-Martinez, S. (2026, April 8–12). *Situating trauma, healing and well-being as integral to community-based science teaching and learning* [Selected paper presentation]. In *Addressing issues in environmental justice education through collaborative power in Chicagoland and Southern California*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Gyles, S., Starks, E., Cassone McGowan, V., White, B., Bang, M., & Tzou, C. (2026, April 19–22). *Investigating the development and implementation justice-centered curricular design principles for preservice science teacher education* [Paper presentation]. In *Expansive science learning for heterogeneity, justice and towards more sustainable futures*. NARST Annual International Conference, Seattle, WA, United States.

Huang, Y., Bisht, A., Santagata, R., Gyles, S., Williams, T., Hackey, T., Kang, H., Long, J., Ludovise, S., & Valdez, E. (2026, April 19–22). *Examining youth authority throughout community interviews in the co-design of an environmental engineering curriculum* [Paper presentation]. In *Youth and teacher agency in designing just and sustainable futures*. NARST Annual International Conference, Seattle, WA, United States.

Huang, Y., Williams, T., Bisht, A., Santagata, R., Gyles, S., Kang, H., Hackey, T., Long, J., Ludovise, S., & Valdez, E. (2026, April 8–12). *Co-designing with youth to integrate systems thinking and critical science agency in high-school environmental engineering* [Structured poster presentation]. In *Expanding research practice partnerships: Integrating youth voices for equitable and impactful collaboration*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Johnson, H. J., Barnhart, T., & Tekkumru-Kisa, M. (2026, April 19–22). *Putting noticing into practice – Pre-service teachers’ efforts to enact instruction centered around students* [Paper presentation]. NARST Annual International Conference, Seattle, WA, United States.

Kang, H. (2026, April 15–18). *Transdisciplinary teaching for a thriving future* [Paper presentation]. National Conference on Science Education, Anaheim, CA, United States.

Kang, H., Tsai, N., & Sentupta-Irving, T. (2026, April 19–22). *Youth pursuing a just, sustaining and thriving future through climate civic action* [Paper presentation]. NARST Annual International Conference, Seattle, WA, United States.

Karyagdi, B., Yu, S., Doroudi, S., Zhao, H., Rose, E., & Richland, L. E. (2026, September 2–4). *Supporting students’ higher-order thinking talk through human-AI dialogue: The role of mathematics identity* [Poster presentation]. International Mind, Brain, and Education Society Conference, San Diego, CA, United States.

Karyagdi, B., Yu, S., Zhao, H., Rose, E., Doroudi, S., Rhodes, K. T., & Richland, L. E. (2026, February 28). *Using a generative AI chatbot to scaffold children’s higher order thinking in math* [Poster presentation]. Southern California Meeting for Investigations in Developmental Science, San Diego, CA, United States.

Karyagdi, B., Zhao, H., Yu, S., Rose, E., Doroudi, S., Rhodes, K. T., & Richland, L. E. (2026, April 8–12). *Promoting higher order thinking through reflection with a generative AI chatbot* [e-Lightning Ed-Talk and poster presentation]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Kimmerling, C., Fuentes Acevedo, P., & Santagata, R. (2026, April 8–12). *Tensions and teacher agency in adaptive professional development*. In P. Fuentes Acevedo & Gomez Zaccarelli (Chairs), *Centering teachers’ equitable participation in professional development: Partnership approaches in Chile and the U.S.* American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Larison, S., Kimmerling, C., & van Es, E. A. (2026, February 5–7). *Tensions and possibilities for facilitating asset based noticing in teacher professional development* [Conference presentation].

Annual Meeting of the Association for Mathematics Teacher Educators, Portland, OR, United States.

Mendez, J., & van Es, E. A. (2026, April 8–12). *Leveraging practical measures in mathematics teacher noticing for equity* [Roundtable paper presentation]. In *Practicing improvement: Challenges and opportunities to facilitating improvement*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Nguyen, H., Pei, J., Pham, Y., Ludovise, S., & Santagata, R. (2026, April 8–12). *Facilitating participatory design: A framework to analyze talk moves and roles*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Nguyen, H., Valdez, E., Pei, J., Ludovise, S., & Santagata, R. (2026, April 8–12). *Designing chatbots to promote systems thinking in environmental science education*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Ojeda-Ramirez, S., Gyles, S., & Peppler, K. (2026, June 8–10). *Community-based AI learning: Redistributing artificial intelligence's epistemic authority in education* [Selected paper]. Research on Equitable and Sustained Participation in Engineering, Computing and Technology Annual Conference, Chicago, IL, United States.

Sandoval, C., & van Es, E. A. (2026, April 8–12). *Problems of practice & practicing problems: Problems as sources of stability and change in research-practice partnerships*. In C. Farrell, *Making the invisible visible: Dynamics, processes, and outcomes of research-practice partnerships* [Structured poster symposium]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Santagata, R., Bisht, A., Huang, Y., Williams, T., Gyles, S., Hackey, T., Kang, H., Long, J., Ludovise, S., & Valdez, E. (2026, April 8–12). *Leveraging diverse expertise and collaborative decision making in curriculum co-design: Unveiling structures, tools and practices* [Structured poster presentation]. In *Making the invisible visible: Dynamics, processes, and outcomes of research-practice partnerships*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Sezen-Barrie, A. (Chair). (2026, April 8–12). *Community-centered and relational approaches in environmental science and engineering education* [Roundtable session]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Sezen-Barrie, A. (Discussant). (2026, April 8–12). *Learning to use science to build just and sustainable futures* [Poster session]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Sezen-Barrie, A., & McCraner, B. (2026, April 19–22). *Re-envisioning climate and environmental education in California for thriving futures* [Paper presentation]. NARST Annual International Conference, Seattle, WA, United States.

Sezen-Barrie, A., Stapleton, M. K., & Cohen, E. B. (2026, April 19–22). *Science teachers' uptake of multispecies justice in designing phenology lessons on climate change impacts* [Paper presentation]. NARST Annual International Conference, Seattle, WA, United States.

Shin, M., Gyles, S., Kang, H., & Li, I. (2026, April 8–12). *Designing for mobilizing climate emotion to collective action in high school chemistry* [Structured poster presentation]. In *Climate emotion, agency, and justice in formal and informal settings*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Tzou, C., & Gyles, S. (2026). *Institutional change and White supremacy: A case study from a curriculum approval process* [Selected paper presentation]. In *Expansive science learning for heterogeneity, justice and towards more sustainable futures*. NARST Annual International Conference, Seattle, WA, United States.

Ueshiro, K., Kimmerling, C., & Santagata, R. (2026, April 8–12). *Designing teacher learning: A case study of professional development facilitators' sensemaking and collaborative process*. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Yu, S., Karyagdi, B., Acevedo-Farag, L. M., Cheraghi, M., Doroudi, S., Rhodes, K. T., & Richland, L. E. (2026, September 2–4). *Co-designing with educators: Developing a GenAI math chatbot serving as a collaborative thinking partner to support students' relational reasoning* [Poster presentation]. International Mind, Brain, and Education Society Conference, San Diego, CA, United States.

Zhao, H., Rose, E. L., Karyagdi, B., Cheraghi, M., Aslaner, E., Yu, S., & Richland, L. E. (2026, June 23–25). *Spontaneous attention to quantitative relations: Individual differences and malleability in mathematics learning*. In H. Wang & Q. Chen (Chairs), *Developing flexibility in mathematical problem-solving* [Symposium]. Mathematical Cognition and Learning Society, Padua, Italy.

Zinger, D., Camberos, S., & Issa, A. (2026, April 8–12). *Critical Race Theory and Cultural Activity Theory: Opportunities to disrupt dominant narratives in education* [Paper presentation]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Zinger, D., & Gherbreab, N. (2026, April 8–12). *Administrator and school support for STEM teaching for all: Teacher perspectives* [Paper presentation]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.

Zinger, D., & Hernandez, J. (2026, September 4–5). *Ungrading in a leadership preparation program: Collective work for healing, wellbeing, and learning towards liberation* [Paper presentation]. International Conference on Education and Justice, Honolulu, HI, United States.

Zhong, Q., & Kang, H. (2026, April 8–12). *Designing for worldmaking in high school chemistry through research practice partnership* [Structured poster session]. American Educational Research Association Annual Meeting, Los Angeles, CA, United States.