



2022 New Orleans Regional Conference & Exposition Strand Titles & Descriptions

Rejoice and Celebrate the Math around Us

NCTM's *Catalyzing Change* advocates for a mathematics program that expands opportunities for all learners and for learners to experience the joy and beauty of mathematics. Mathematics is the basis for all human development, progress, and beauty. It can be used to model and predict behavior, describe nature, enhance art, and shine light on inequities in our world. Sessions in this strand focus on the joy of doing mathematics; using mathematics to help observe and respond to the world around us; and providing ways to guide our students to love, appreciate, and do mathematics.

Redesign the Mathematics Classroom through the Lens of Identity, Agency, and Access

NCTM advocates for the empowerment of each and every student to be an author of mathematics through equitable or culturally sustaining teaching practices and inclusive classrooms. By dismantling barriers, we allow students to experience school mathematics as a whole person by drawing on their cultural and linguistic resources. Presentations in this strand will explore how to build student agency, foster student identity, and promote access for each and every student in mathematics.

Reboot Assessment: Equitable Empowerment of Student Confidence in Learning

NCTM advocates for the empowerment of *all* students in the mathematics classroom. Assessment, both formative and summative, should be used as a tool to equitably bolster every student's confidence and identity in the mathematics classroom. Sessions will focus on the use of assessment in promoting purposeful ways to amplify students' voices and mathematical ideas.

Refreshen and Deepen Mathematics Content Knowledge for Teaching

NCTM's *Effective Mathematics Teaching Practices* call for students to develop procedural fluency *from conceptual understanding*. To actualize this goal, teachers must have a deep conceptual understanding of the mathematics they teach along with knowledge of the progression of concepts between grade bands. Presentations in this strand highlight innovative methods of developing mathematics content knowledge for teaching that make an impact on student learning.

Realign Relationships and Strategies for Supporting and Implementing Instruction

"The only constant in life is change." The world of education changed drastically when many districts were forced to transition to remote or hybrid learning. Teachers, leaders, parents, and other stakeholders were forced to shift and pivot their practices to support students. Sessions in this strand focus on how teachers, leaders, and other stakeholders pivoted their practices in the areas of implementing instruction, supporting teachers, community partnerships, engaging caregivers as partners, coaching, and expanding networks beyond traditional walls and spaces.