



# 2024 COLLABORATIVE ISSUE CALL FOR MANUSCRIPTS

SUBMISSION DEADLINE: **June 1, 2023**

PUBLICATION DATE: **May 2024**

**Mathematics and science go hand in hand**, yet many teachers struggle to find the connection points that would promote conceptual understandings in both areas. We all know students learn best when subjects are integrated, not siloed into “let’s put our mathematician hats on now” or “it’s science time, let’s think like scientists.” As mathematics and science educators, we need to support our colleagues by identifying and implementing effective strategies to meaningfully and purposefully integrate mathematics and science. Let’s dive deeper beyond the familiar integration points of data collection, graphing, and measurement to share purposeful ways to develop scientific and mathematical thinkers who are ready to solve problems and make sense of their world.

**In a partnership with the National Science Teaching Association’s *Science and Children*, MTLT will explore how to deepen conceptual understandings of mathematics and science through authentic learning experiences that intertwine mathematics and science in preschool and elementary classrooms.**

Please submit manuscripts through ScholarOne (<https://mc04.manuscriptcentral.com/mtltpk12>), selecting “Collaborative Issue: Science” as your manuscript type. See Submission Guidelines ([www.nctm.org/mtlsubmit](http://www.nctm.org/mtlsubmit)) for more information on article types. Word limits apply.

Questions? Contact [mtlt@nctm.org](mailto:mtlt@nctm.org).

## **Article considerations include, but are not limited to, the following:**

- Share a lesson in which mathematics and science content are fully integrated, allowing students to make sense of conceptual understandings in both subject areas.
- Develop a lesson focusing on students’ reasoning abstractly and quantitatively to explain or communicate the results of scientific explorations using arguments from evidence.
- Describe a lesson or unit of study that cultivates essential understanding allowing students to view mathematics and science as tools to question, analyze, represent, and communicate findings.
- Share a lesson in which students use mathematical and computational thinking to build relationships and models to make sense of observations and data gathered during a scientific investigation.
- Incorporate engineering and technology with mathematics and science for a complete STEM lesson.

M A T H E M A T I C S T E A C H E R

Learning & Teaching

PK  
12



NATIONAL COUNCIL OF  
TEACHERS OF MATHEMATICS