

Write for a department:

iSTEM: Integrating Science, Technology, and Engineering into the Mathematics Classroom

Thirteenth-century empiricist Roger Bacon called mathematics “the door and key to the sciences.” How can we, as teachers, engage our students and motivate them to find the key and open that door by making connections in the sciences through mathematics? Are you a teacher who fosters the development of your students’ ability to recognize and apply mathematics in other subject areas as well as in daily life? Do you use activities in your classroom that connect mathematics to the world children live in, helping them see that math is all around them?

The *Teaching Children Mathematics* Editorial Panel is launching a department called iSTEM: Integrating Science, Technology, and Engineering into the Mathematics Classroom. The Panel invites you to share ideas and activities you use in your K–grade 6 classroom to stimulate student interest in STEM fields. We encourage articles that offer exemplary classroom-tested ideas and insight into integrating math into the STEM curriculum.

Manuscripts that include photographs and samples of student work or dialogue are especially encouraged. The following questions are intended as a guide for authors. However, manuscripts that address related issues are always welcome.

- What are some strategies you have used to encourage conceptual understanding of mathematics as it relates to STEM?
- How have you changed instruction in your classroom, your grade, or your school setting to facilitate the teaching of STEM concepts?
- Give some examples that support the success of integration of STEM topics in your mathematics instruction.
- How do you include rigorous, integrated content and applications in your lessons?
- Give some examples of case studies or lesson studies you have conducted involving the STEM initiative.
- How can new partnerships among teachers of the STEM disciplines encourage implementation and success in your classroom?
- How have you expanded your interdisciplinary instruction to incorporate ideas related to STEM?
- Share examples of what has influenced the development and growth of mathematical proficiency and understanding in the STEM fields.
- How have other content areas (e.g., arts, music) supported STEM concepts in your math class?

We encourage fully developed articles of about 1000–1200 words. Send submissions to this call for manuscripts to the TCM Editorial Panel by accessing tcm.msubmit.net. Find detailed information about TCM’s departments; tips for preparing manuscripts for publication; and guidelines on how to include photographs, video clips, and files, along with other resources at www.nctm.org/journal submissions/.



JIRASAKUVEER



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