The *Journal of Mathematics Education at Teachers College* is a publication of the Program in Mathematics and Education at Teachers College, Columbia University in the City of New York.

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Dr. Robert Taylor was selected by the Teachers College sponsored Teachers for East Africa program to teach mathematics of Uganda’s Makerere University. He returned to TC as an instructor in the Department of Mathematics, Statistics, and Computing in Education where he developed an innovative programming language (FPL) intended to introduce educators to the then new field of computer programming. His seminal work entitled *Computers: Tutor, Tool, Tutee* led to leadership in the new field of computer programming. His seminal work entitled *Computers: Tutor, Tool, Tutee* led to leadership in the new field of computer programming. Dr. Taylor completed 33 years as a member of the Teachers College faculty in 2009.

Dr. Carl N. Shuster completed the doctorate at Teachers College in 1940 under the guidance of William David Reeve. Shuster joined the TC faculty at Reeve’s invitation and soon was recognized as the nation’s leading advocate of the use of traditional technology, especially measurement technology, in the mathematics classroom. Dr. Shuster served as President of the National Council of Mathematics from 1946 to 1948 and concluded his career as Distinguished Professor of Mathematics at Trenton State University.

**Aims and Scope**  
The *JMETC* is a re-creation of an earlier publication by the Teachers College Columbia University Program in Mathematics. As a peer-reviewed, semiannual journal, it is intended to provide dissemination opportunities for writers of practice-based or research contributions to the general field of mathematics education. Each issue of the *JMETC* will focus upon an educational theme. The themes planned for the 2012 Spring-Summer and 2012 Fall-Winter issues are: *Evaluation and Equity*, respectively.

*JMETC* readers are educators from pre-K-12 through college and university levels, and from many different disciplines and job positions—teachers, principals, superintendents, professors of education, and other leaders in education. Articles to appear in the *JMETC* include research reports, commentaries on practice, historical analyses and responses to issues and recommendations of professional interest.

**Manuscript Submission**  
*JMETC* seeks conversational manuscripts (2,500-3,000 words in length) that are insightful and helpful to mathematics educators. Articles should contain fresh information, possibly research-based, that gives practical guidance readers can use to improve practice. Examples from classroom experience are encouraged. Articles must not have been accepted for publication elsewhere. To keep the submission and review process as efficient as possible, all manuscripts may be submitted electronically at www.tc.edu/jmetc.

**Abstract and keywords.** All manuscripts must include an abstract with keywords. Abstracts describing the essence of the manuscript should not exceed 150 words. Authors should select key words from the menu on the manuscript submission system so that readers can search for the article after it is published. All inquiries and materials should be submitted to Ms. Krystle Hecker at P.O. Box 210, Teachers College Columbia University, 525 W. 120th St., New York, NY 10027 or at JMETC@tc.columbia.edu

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PREFACE

From Slide Rules to Video Games: Technology in Mathematics Classrooms

Historically speaking, technology in the mathematics classroom has grown tremendously. At the end of the 19th century, one of the major mathematical instruments used was the slide rule. From then to present day, there were many technology advances in mathematics education. Students are now engaging in interactive software programs on computers, graphing calculators, and the Internet to learn mathematics topics in an entirely different way.

This issue of the Journal of Mathematics Education at Teachers College has the theme of Technology in Mathematics Education. The theme was intentionally broad so that the issue could contain multiple perspectives on what is thought of technology in the classroom. The articles cover common technology, such as spreadsheet software and SMART Board™ tools, as well as more specific tools, such as online homework systems, dynamic geometry software, and video games. A different viewpoint on mathematical technology is appreciating it through preservation. Two articles included in this issue discuss mathematics museums, one from the past and one opening soon.

Technology in the classroom can be somewhat of a heated topic. Issues of proper implementation, teacher preparation, and student success are concerns. A goal of this issue is to provide ideas for teachers on how to use more technology in their classrooms mindfully and purposely. The articles included, as well as the Notes from the Computer Laboratory, should aid teachers in attaining that objective.

Diane R. Murray
Guest Editor
Call for Papers
The “theme” of the fall issue of the Journal of Mathematics Education at Teachers College will be Evaluation. This “call for papers” is an invitation to mathematics education professionals, especially Teachers College students, alumni and friends, to submit articles of approximately 2500-3000 words describing research, experiments, projects, innovations, or practices related to evaluation in mathematics education. Articles should be submitted to Ms. Krystle Hecker at JMETC@tc.columbia.edu by January 21, 2012. The spring issue’s guest editor, Ms. Heather Gould, will send contributed articles to editorial panels for “blind review.” Reviews will be completed by February 1, 2012, and final drafts of selected papers are to be submitted by March 1, 2012. Publication is expected by April 15, 2012.

Call for Volunteers
This Call for Volunteers is an invitation to mathematics educators with experience in reading/writing professional papers to join the editorial/review panels for the spring 2012 and subsequent issues of JMETC. Reviewers are expected to complete assigned reviews no later than 3 weeks from receipt of the manuscripts in order to expedite the publication process. Reviewers are responsible for editorial suggestions, fact and citations review, and identification of similar works that may be helpful to contributors whose submissions seem appropriate for publication. Neither authors’ nor reviewers’ names and affiliations will be shared; however, editors/reviewers’ comments may be sent to contributors of manuscripts to guide further submissions without identifying the editor/reviewer.

If you wish to be considered for review assignments, please request a Reviewer Information Form. Return the completed form to Ms. Krystle Hecker at hecker@tc.columbia.edu or Teachers College Columbia University, 525 W 120th St., Box 210, New York, NY 10027.

Looking Ahead
Anticipated themes for future issues are:
- Spring 2012 Evaluation
- Fall 2012 Equity
- Spring 2013 Leadership
- Fall 2013 Modeling
- Spring 2014 Teaching Aids

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