

Journal of Mathematics Education

Special Issue

Innovative Approaches to Mathematics Education

Guest Editors:

Daniel A. Tillman

Song A. An

The University of Texas at El Paso

Shaunna Smith

Texas State University, U.S.A.

Lauren E. Burrow

Stephen F. Austin University, U.S.A.

Journal of Mathematics Education

Editorial

- 1 Not Just Consumers: Finding Space for Student Creativity During Mathematics Instruction
Daniel A. Tillman

Research Article

- 4 The Absence and Presence of Mathematics in Teacher-Led, Interdisciplinary Unit Design
Christine P. Trinter & Samantha Hope
- 22 Luck is Not a Factor: Representations of Female Protagonists' STEM Skills within Blockbuster Movies by James Cameron
Francisco A. Galindo, Daniel A. Tillman, & Song A. An
- 37 Using Edutainment to Facilitate Mathematical Thinking and Learning: An Exploratory Study
Ruby Lynch-Arroyo & Joyce Asing-Cashman
- 53 Learning from The College Dropout: Depictions of Numeracy and Mathematics within Hip Hop Music
Daniel A. Tillman

Commentary

- 72 The Development of a Transmedia STEM Curriculum: Implications for Mathematics Education
Alicia Stansell, Tandra Tyler-Wood, & Spencer Austin
- 81 A Beautiful Mindset: Creative Teaching Practices in Mathematics
Danah Henriksen & Rohit Mehta
- 90 Mathematics Uncovered Through Action Science
William H. Robertson
- 97 Students Learning about Music-Math Connections by Playing with Cuisenaire Rods
Claudia Saldaña & Olga Kosheleva
- 109 Internship Experience in an Educational Technology Laboratory: Autoethnography of an Eighth-Grade Student-Researcher
Judah B. Lesser, Daniel A. Tillman, Lawrence M. Lesser, & Song A. An
- 119 Programming Multimedia Stories in Scratch to Integrate Computational Thinking and Writing with Elementary Students
Shaunna Smith & Lauren E. Burrow
- 132 Creative Content and Inclusive Classrooms to Transform Student Learning: Liberating Structures for Mathematics Educators
Arvind Singhal