

IJE

**M
S
T**

**International Journal of Education
in Mathematics, Science and
Technology**

Volume 2
Number 4
Year 2014

ISSN 2147-611X

EDITORIAL BOARD**Editor in Chief**

Ismail SAHIN - Necmettin Erbakan University, Turkey

Co-Editors

Mack Shelley - Iowa State University, U.S.A.

I. Ozgur Zembat - Mevlana University, Turkey

Associate Editor

S. Ahmet KIRAY - Necmettin Erbakan University, Turkey

Editorial Board

Ann D. THOMPSON - Iowa State University, U.S.A

Bill COBERN - Western Michigan University, U.S.A.

Douglas B. CLARK - Vanderbilt University, U.S.A.

Gokhan OZDEMIR - Nigde University, Turkey

Hakan AKCAY - Yildiz Technical University, Turkey

Huseh-Hua CHUANG - National Sun Yat-sen University, Taiwan

Ilhan VARANK - Yildiz Technical University, Turkey

James M. LAFFEY - University of Missouri, U.S.A.

Kamisah OSMAN - National University of Malaysia, Malaysia

Lynne SCHRUM - George Mason University, U.S.A.

Mary B. NAKHLEH - Purdue University, U.S.A.

Mehmet AYDENIZ - University of Tennessee, U.S.A.

Musa DIKMENLI - Necmettin Erbakan University, Turkey

Pasha ANTONENKO - Oklahoma State University, U.S.A.

Pornrat WATTANAKASIWICH - Chiang Mai University, Thailand

Robert E. YAGER - University of Iowa, U.S.A.

Sevilay ATMACA - Cyprus International University, Cyprus

Sinan ERTEN - Hacettepe University, Turkey

Tsung-Hau JEN - National Taiwan Normal University, Taiwan

Yilmaz SAGLAM - Gaziantep University, Turkey

Technical Support

Selahattin ALAN - Selçuk University, Turkey

International Journal of Education in Mathematics, Science and Technology (IJEMST)

The International Journal of Education in Mathematics, Science and Technology (IJEMST) is a peer-reviewed scholarly online journal. The IJEMST is published quarterly in January, April, July and October. The IJEMST welcomes any papers on math education, science education and educational technology using techniques from and applications in any technical knowledge domain: original theoretical works, literature reviews, research reports, social issues, psychological issues, curricula, learning environments, research in an educational context, book reviews, and review articles. The articles should be original, unpublished, and not in consideration for publication elsewhere at the time of submission to the IJEMST. Access to the Journal articles is free to individuals, libraries and institutions through IJEMST's website.

Submissions

All submissions should be in electronic (.Doc or .Docx) format. Submissions in PDF and other non-editable formats are not acceptable. Manuscripts can be submitted through the journal website. All manuscripts should use the latest APA style. The manuscript template for formatting is available on the journal website.

Contact Info

International Journal of Education in Mathematics, Science and Technology (IJEMST)

Email: ijemst@gmail.com

Web: <http://www.ijemst.com>

TABLE OF CONTENTS

Primary School Students' Spatial Orientation Strategies in an Outdoor Learning Activity Supported by Mobile Technologies <i>Aihui Peng, Håkan Sollervall</i>	246
Building Mathematical Fluency for Students with Disabilities or Students At-Risk for Mathematics Failure <i>Vanessa Hinton, Shaunita D. Strozier, Margaret M. Flores</i>	257
A Mentoring Program For Inquiry-Based Teaching in a College Geometry Class <i>Nathaniel Miller, Nathan Wakefield</i>	266
Examining Personalisation of Instruction, Attitudes toward and Achievement in Mathematics Word Problems among Nigerian Senior Secondary School Students <i>Adeneye O. A. Awofala</i>	273
Mathematics Teacher Candidates' Metaphors about the Concept of "Mathematics" <i>Ahmet Erdoğan, Derya Ozlem Yazlik, Cengiz Erdik</i>	289
Reliability and Validity Study of the Mobile Learning Adoption Scale Developed Based on the Diffusion of Innovations Theory <i>Ismail Celik, Ismail Sahin, Mustafa Aydin</i>	300