



Creative Education

Special Issue on Preschool Education



ISSN: 2151-4755



977215147550407A1

Journal Editorial Board

ISSN: 2151-4755 (Print), 2151-4771 (Online)

<http://www.scirp.org/journal/ce>

Editors-in-Chief

Prof. Min Jou

Dr. Stephen Rushton

National Taiwan Normal University, Chinese Taipei

University of South Florida Sarasota-Manatee, USA

Editorial Board

Prof. Ali A. Abdi

Dr. Betty Y. Ashbaker

Prof. Lloyd H. Barrow

Dr. Bradford C. Bennett

Prof. James R. Brawer

Dr. Gayle A. Buck

Dr. Gayle Calverley

Dr. Stephanie Chitpin

Dr. Vincent Donche

Dr. Karee E. Dunn

Dr. Haim Eshach

Dr. Vicenc Fernandez

Prof. Francis Richard Ferraro

Prof. Juan M. Górriz Sáez

Dr. Angel Gutierrez

Dr. Judith Lynne Hanna

Prof. Jere T. Humphreys

Prof. Esmail Jabbari

Dr. Tamba O. Jackson

Dr. Boris Koichu

Prof. Edgar Krull

Prof. Alexander Kukush

Prof. Richard C. Larson

Dr. Mark Leikin

Prof. Roza Leikin

Prof. Wenli Li

Dr. Peter Liljedahl

Dr. Katerina Manidaki

Prof. Edmund A. Marek

Dr. Mohammad Matin

Prof. George W. Noblit

Dr. Alan Ovens

Prof. Ananda Kumar Palaniappan

Prof. Vladimir Petruševski

Dr. Cathy H. Qi

Prof. Danielle Riverin-Simard

Prof. Lázaro Rodríguez Ariza

Prof. Alfredo Rodríguez-Sedano

Dr. Arianne J. Rourke

Dr. Orly Shapira-Lishchinsky

Dr. Moran Shoham

Prof. Colleen A. Thoma

Dr. Emilio C. Ulloa

Prof. George I. Whitehead

Prof. Robert L. Williams

Dr. Debby Zambo

Dr. David Zyngier

University of Alberta, Canada

Brigham Young University, USA

University of Missouri, USA

University of Virginia, USA

McGill University, Canada

Indiana University, USA

The University of Manchester, UK

University of Ottawa, Canada

University of Antwerp, Belgium

University of Arkansas-Fayetteville, USA

Ben-Gurion University of the Negev, Israel

Technical University of Catalonia, Spain

University of North Dakota, USA

University of Granada, Spain

University of Valencia, Spain

University of Maryland, USA

Arizona State University, USA

University of South Carolina, USA

University of South Carolina, USA

Technion-Israel Institute of Technology, Israel

University of Tartu, Estonia

National Taras Shevchenko University of Kyiv, Ukraine

Massachusetts Institute of Technology, USA

University of Haifa, Israel

University of Haifa, Israel

Peking University, China

Simon Fraser University, Canada

Technological Educational Institution of Athens, Greece

University of Oklahoma, USA

University of Denver, USA

The University of North Carolina at Chapel Hill, USA

University of Auckland, New Zealand

University of Malaya, Malaysia

Ss. Cyril and Methodius University in Skopje, Macedonia

University of New Mexico, USA

Laval University, Canada

University of Granada, Spain

University of Navarra, Spain

University of New South Wales, Australia

Bar-Ilan University, Israel

The Max Stern Academic College of Emek Yezreel, Israel

Virginia Commonwealth University, USA

San Diego State University, USA

Salisbury University, USA

The University of Tennessee, USA

Arizona State University, USA

Monash University, Australia

TABLE OF CONTENTS

Volume 4 Number 7A1

July 2013

Using Mobile Devices for Teaching Realistic Mathematics in Kindergarten Education

N. Zaranis, M. Kalogiannakis, S. Papadakis.....1

When Children Draw vs When Children Don't: Exploring the Effects of Observational Drawing in Science

J. E. Fox, J. Lee.....11

A Small-Scale Study of the Effects of Supplemental Vocabulary Instruction on Preschoolers with Vocabulary Delays

K. Roskos, K. Burstein, S. Sullivan.....15

A Mathematically Creative Four-Year-Old—What Do We Learn from Him?

R. Steinberg.....23

Patterns of Variation: A Way to Support and Challenge Early Childhood Learning?

A. Ljung-Djärf, M. H. O. Brante, E. W. Brante.....33

Teaching of Science and Mathematics in Pre-Schools of Botswana: *The Existing Practices*

K. Bose, M. Tsamaase, G. Seetso.....43

Review of the Book *Children, Language, and Literacy: Diverse Learners in Diverse Times*

L.-C. Lin.....52

Early Childhood Care and Education in Botswana: A Necessity That Is Accessible to Few Children

T. Maundeni.....54

Instructional Conversations in Early Childhood Classrooms: Policy Suggestions for Curriculum Standards and Professional Development

S. M. Curenton, T. Zucker.....60

The figure on the front cover is from the article published in *Creative Education*, 2013, Vol. 4, No. 7A1, pp. 1-10 by Nicholas Zaranis, *et al.*

Creative Education (CE)

Journal Information

SUBSCRIPTIONS

The *Creative Education* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright©2013 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

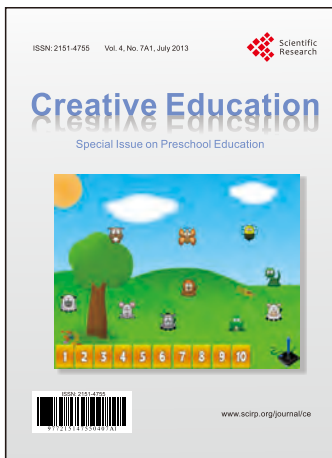
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ce@scirp.org



Creative Education

ISSN Print: 2151-4755 ISSN Online: 2151-4771

<http://www.scirp.org/journal/ce>

Creative Education (CE), a monthly journal, dedicates to the latest advancement of creative education. The goal of this journal is to keep a record of the state-of-the-art research and promote the research work in these fast moving areas.

Editors-in-Chief

Prof. Min Jou
Dr. Stephen Rushton

National Taiwan Normal University, Chinese Taipei
University of South Florida Sarasota-Manatee, USA

Subject Coverage

This journal invites original research and review papers that address the following issues in creative education. The topics to be covered by Creative Education include, but are not limited to:

- Academic Advising and Counseling
- Art Education
- Blog Culture and Its Impact on Education
- Business Education
- Collaborative and Group Learning
- Curriculum Development
- Development of Learning Environment
- Early Childhood Education
- Education Administration
- Education Policy and Leadership
- Educational Psychology
- Educational Technology
- E-Learning and Knowledge Management
- Elementary Education
- Health Education
- Higher Education
- Innovative Pedagogical Models
- Language Education
- Learning Systems Platforms
- Media Education
- Music Education
- Quality Management of E-Learning
- Reading Skill Education
- Science Education
- Secondary Education
- Special Education
- Tasks and Problem-Solving Processes
- Teaching and Learning Technologies
- Web-Based Learning Platforms
- Youth Studies
- Other Areas of Education

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the **CE**.

Notes for Intending Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submissions, please access the website.

Website and E-Mail

<http://www.scirp.org/journal/ce>

E-mail: ce@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science, by delivering superior scientific publications and scientific information solution provider that enable advancement in scientific research.

What is Open Access?

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, world-wide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

- High visibility for maximum global exposure with open access publishing model
- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Website: <http://www.scirp.org>
Subscription: sub@scirp.org
Advertisement: service@scirp.org