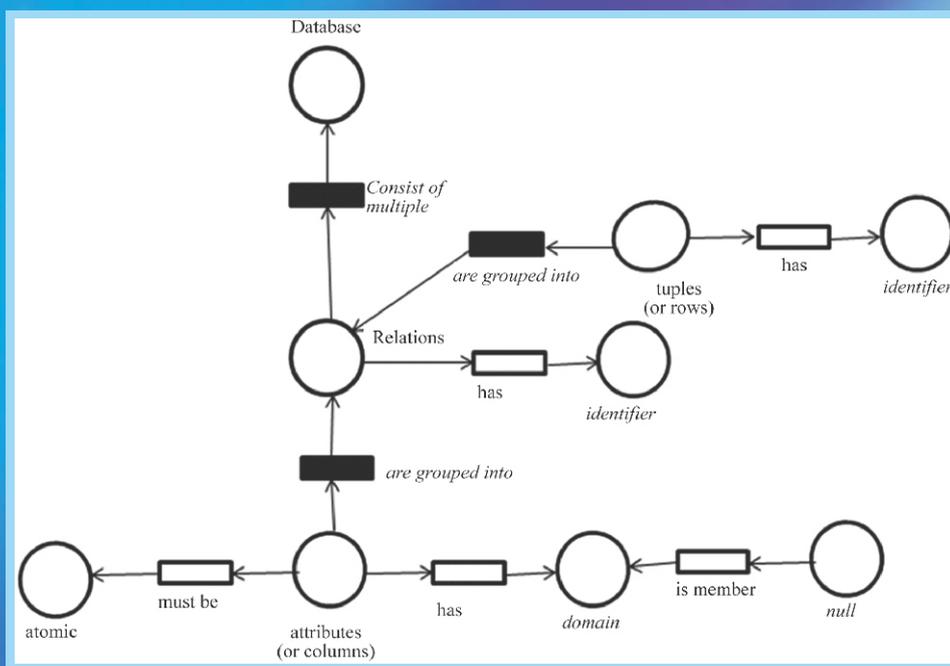


# Creative Education



ISSN: 2151-4755



# Journal Editorial Board

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

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

---

## Editor-in-Chief

Dr. Stephen Rushton

University of South Florida Sarasota-Manatee, USA

## Associate Editor

Prof. Min Jou

National Taiwan Normal University, Chinese Taipei

## Editorial Board

Prof. Ali A. Abdi

University of Alberta, Canada

Dr. Betty Y. Ashbaker

Brigham Young University, USA

Prof. Lloyd H. Barrow

University of Missouri, USA

Dr. Bradford C. Bennett

University of Virginia, USA

Prof. James R. Brawer

McGill University, Canada

Dr. Gayle A. Buck

Indiana University, USA

Dr. Gayle Calverley

The University of Manchester, UK

Dr. Stephanie Chitpin

University of Ottawa, Canada

Dr. Vincent Donche

University of Antwerp, Belgium

Dr. Karee E. Dunn

University of Arkansas-Fayetteville, USA

Dr. Haim Eshach

Ben-Gurion University of the Negev, Israel

Dr. Vicenc Fernandez

Technical University of Catalonia, Spain

Prof. Francis Richard Ferraro

University of North Dakota, USA

Prof. Juan M. Górriz Sáez

University of Granada, Spain

Dr. Angel Gutierrez

University of Valencia, Spain

Dr. Judith Lynne Hanna

University of Maryland, USA

Dr. George Head

University of Glasgow, UK

Prof. Esmaiel Jabbari

University of South Carolina, USA

Dr. Tamba O. Jackson

University of South Carolina, USA

Dr. Boris Koichu

Technion-Israel Institute of Technology, Israel

Prof. Edgar Krull

University of Tartu, Estonia

Prof. Alexander Kukush

National Taras Shevchenko University of Kyiv, Ukraine

Prof. Richard C. Larson

Massachusetts Institute of Technology, USA

Dr. Mark Leikin

University of Haifa, Israel

Prof. Roza Leikin

University of Haifa, Israel

Prof. Wenli Li

Peking University, China

Dr. Peter Liljedahl

Simon Fraser University, Canada

Dr. Katerina Manidaki

Technological Educational Institution of Athens, Greece

Prof. Edmund A. Marek

University of Oklahoma, USA

Dr. Mohammad Matin

University of Denver, USA

Dr. George W. Noblit

The University of North Carolina at Chapel Hill, USA

Dr. Alan Owens

University of Auckland, New Zealand

Prof. Vladimir Petruševski

Ss. Cyril and Methodius University in Skopje, Macedonia

Dr. Cathy H. Qi

University of New Mexico, USA

Prof. Danielle Riverin-Simard

Laval University, Canada

Prof. Lázaro Rodríguez Ariza

University of Granada, Spain

Prof. Alfredo Rodríguez-Sedano

University of Navarra, Spain

Dr. Arianne J. Rourke

University of New South Wales, Australia

Dr. Orly Shapira-Lishchinsky

Bar-Ilan University, Israel

Dr. Moran Shoham

The Max Stern Academic College of Emek Yezreel, Israel

Prof. Colleen A. Thoma

Virginia Commonwealth University, USA

Dr. Emilio C. Ulloa

San Diego State University, USA

Prof. George I. Whitehead

Salisbury University, USA

Prof. Robert L. Williams

The University of Tennessee, USA

Dr. Debby Zambo

Arizona State University, USA

Dr. David Zyngier

Monash University, Australia

## Guest Reviewers

Joseph Claudet

Cem Gercek

Maria Kaila

Abdul Sattar Khan

Moeketsi Letseka

Bunmi Malau-Aduli

Sergio Scicchitano

Bellam Sreenivasulu

## TABLE OF CONTENTS

Volume 3 Number 5

September 2012

### Thinking about Creativity in Science Education

Y. Hadzigeorgiou, P. Fokialis, M. Kabouropoulou.....603

### Improving STEM Education in Research: Preliminary Report on the Development of a Computer-Assisted Student-Mentor Research Community

D. Rios, A. Chebotko, C. Reilly, R. Carlson, E. Tomai, A. A. Weimer, N. Weimer, T. Pearson, F. Andoh-Baidoo, R. Winkle,  
D. Ammons, J. Rampersad.....612

### Addressing Misconceptions about the Particulate Nature of Matter among Secondary-School and High-School Students in the Republic of Macedonia

M. I. Stojanovska, B. T. Šoptrajanov, V. M. Petruševski.....619

### Patterning Abilities of First Grade Children: Effects of Dimension and Type

K. M. Gadzichowski.....632

### Towards an On-Line Student Assistant within a CSCL Framework

F. Ramos-Quintana, M. D. Vargas-Cerdán, J. R. Rojano-Cáceres.....636

### From Socrates to Satellites: iPad Learning in an Undergraduate Course

J. Wakefield, D. Smith.....643

### Experiential Learning in Graduate Education: Development, Delivery, and Analysis of an Evidence-Based Intervention

S. M. Harden, K. C. Allen, C. N. Chau, S. L. Parks, A. L. Zanko.....649

### Study and Practices of IT Specialists Cultivation Mode: A Chinese Independent College Perspective

Z. W. Hu, L. Zhu, H. Q. Mao.....658

### Waving Web in Tourism Higher Education—Case Study at Tourism School of GUBS

X. Xiao, J. H. Wu.....662

### Entrepreneurship Education at the Crossroad in Hong Kong

C. K. Cheung.....666

### Radioactive Branching Using Dice

S. Sahu.....671

### Blindness and Fungi Kingdom: A New Approach for Teaching a Biological Theme for Students with Special Visual Needs

R. de Souza, C. M. C. Delou, M. B. V. Côrtes, I. Mazza-Guimarães, S. Machado, C. R. Rodrigues, H. C. Castro.....674

### More than a Vacation: Short-Term Study Abroad as a Critically Reflective, Transformative Learning Experience

L. Perry, L. Stoner, M. Tarrant.....679

---

The figure on the front cover is from the article published in *Creative Education*, 2012, Vol. 3, No. 5, pp. 636-642 by Fernando Ramos-Quintana, M. Dolores Vargas-Cerdán and J. Rafael Rojano-Cáceres.

## **Creative Education (CE)**

### **Journal Information**

#### **SUBSCRIPTIONS**

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

#### **Subscription rates:**

Print: \$39 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### **SERVICES**

##### **Advertisements**

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

##### **Reprints (minimum quantity 100 copies)**

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

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

#### **COPYRIGHT**

Copyright©2012 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.

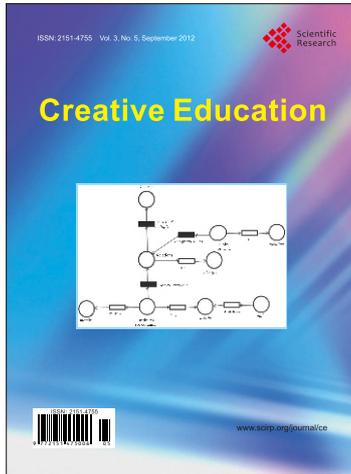
Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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](mailto: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.

## Editor-in-Chief

**Dr. Stephen Rushton**

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
- 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
- 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](mailto:ce@scirp.org)