

Julio A. Gonzalez- Pienda ■ Ana Bernardo
José Carlos Núñez ■ Celestino Rodríguez

Editors



*Education in a Competitive
and Globalizing World*

Factors Affecting Academic Performance

Complimentary Contributor Copy

EDUCATION IN A COMPETITIVE AND GLOBALIZING WORLD

**FACTORS AFFECTING
ACADEMIC PERFORMANCE**

No part of this digital document may be reproduced, stored in a retrieval system or transmitted in any form or by any means. The publisher has taken reasonable care in the preparation of this digital document, but makes no expressed or implied warranty of any kind and assumes no responsibility for any errors or omissions. No liability is assumed for incidental or consequential damages in connection with or arising out of information contained herein. This digital document is sold with the clear understanding that the publisher is not engaged in rendering legal, medical or any other professional services.

EDUCATION IN A COMPETITIVE AND GLOBALIZING WORLD

Additional books in this series can be found on Nova's website
under the Series tab.

Additional e-books in this series can be found on Nova's website
under the e-book tab.

EDUCATION IN A COMPETITIVE AND GLOBALIZING WORLD

**FACTORS AFFECTING
ACADEMIC PERFORMANCE**

**JULIO ANTONIO GONZÁLEZ-PIENDA,
ANA BERNARDO,
JOSÉ CARLOS NÚÑEZ
AND
CELESTINO RODRÍGUEZ
EDITORS**



Copyright © 2017 by Nova Science Publishers, Inc.

All rights reserved. No part of this book may be reproduced, stored in a retrieval system or transmitted in any form or by any means: electronic, electrostatic, magnetic, tape, mechanical photocopying, recording or otherwise without the written permission of the Publisher.

We have partnered with Copyright Clearance Center to make it easy for you to obtain permissions to reuse content from this publication. Simply navigate to this publication's page on Nova's website and locate the "Get Permission" button below the title description. This button is linked directly to the title's permission page on copyright.com. Alternatively, you can visit copyright.com and search by title, ISBN, or ISSN.

For further questions about using the service on copyright.com, please contact:

Copyright Clearance Center

Phone: +1-(978) 750-8400 Fax: +1-(978) 750-4470 E-mail: info@copyright.com.

NOTICE TO THE READER

The Publisher has taken reasonable care in the preparation of this book, but makes no expressed or implied warranty of any kind and assumes no responsibility for any errors or omissions. No liability is assumed for incidental or consequential damages in connection with or arising out of information contained in this book. The Publisher shall not be liable for any special, consequential, or exemplary damages resulting, in whole or in part, from the readers' use of, or reliance upon, this material. Any parts of this book based on government reports are so indicated and copyright is claimed for those parts to the extent applicable to compilations of such works.

Independent verification should be sought for any data, advice or recommendations contained in this book. In addition, no responsibility is assumed by the publisher for any injury and/or damage to persons or property arising from any methods, products, instructions, ideas or otherwise contained in this publication.

This publication is designed to provide accurate and authoritative information with regard to the subject matter covered herein. It is sold with the clear understanding that the Publisher is not engaged in rendering legal or any other professional services. If legal or any other expert assistance is required, the services of a competent person should be sought. FROM A DECLARATION OF PARTICIPANTS JOINTLY ADOPTED BY A COMMITTEE OF THE AMERICAN BAR ASSOCIATION AND A COMMITTEE OF PUBLISHERS.

Additional color graphics may be available in the e-book version of this book.

Library of Congress Cataloging-in-Publication Data

ISBN: 978-1-53610-865-1 (eBook)

Published by Nova Science Publishers, Inc. † New York

CONTENTS

Prologue		vii
Acknowledgment		ix
Student Achievement Promotion: Understanding the Complexity of Psychoeducational Processes		1
Chapter 1	Student Achievement, Motivation and Academic Engagement <i>Susana Rodríguez, Antonio Valle, Isabel Piñeiro, Bibiana Regueiro and Iris Estévez</i>	3
Chapter 2	Engagement: A New Perspective for Reducing Dropout through Self-Regulation <i>Ángela Antúnez, Antonio Cervero, Paula Solano, Inmaculada Bernardo and Raúl Carbajal</i>	25
Chapter 3	Programs to Promote Self-Regulated Learning in Different Educational Stages <i>Estrella Fernández, Paula Solano, Ellián Tuero, Natalia Suárez and Pedro Rosário</i>	47
Chapter 4	From Ability to Multiple Intelligences: Implications for Assessment and Intervention in Learning Difficulties <i>Trinidad García, Estrella Fernández, Patricia García, Marisol Cueli, Debora Areces and Celestino Rodríguez</i>	67
Chapter 5	Using Metacognitive Scaffolding to Develop Problem Solving Skills in K-12 Computer-Based Learning Environments <i>Daniell DiFrancesca and John L. Nietfeld</i>	81
The Context Does Matter: Taking into Account the Influence of Contextual Variables in Learning		101
Chapter 6	Parental Support in Early Childhood and Its Importance for the Brain <i>María Banqueri, Marta Méndez and Jorge L. Arias</i>	103

Chapter 7	Review of the Partnership between School and Family: A Shared Responsibility <i>Lucía Álvarez-Blanco and Raquel-Amaya Martínez-González</i>	121
Chapter 8	Homework and Academic Achievement: Student, Teacher and Parent Involvement <i>Bibiana Regueiro, Natalia Suárez, José Carlos Núñez, Antonio Valle and Joyce L. Epstein</i>	141
Chapter 9	Learning Difficulties in Computer-Based Learning Environments <i>Rebeca Cerezo, María Esteban, Lucía Rodríguez, Ana Bernardo, Miguel Sánchez-Santillán, Natalia Amieiro and Ana Pereles</i>	157
	Difficulties Prevention: Addressing Diversity	171
Chapter 10	Learning Difficulties in Mathematics: An Intervention Proposal <i>Marisol Cueli, Debora Areces, Trinidad García, Celestino Rodríguez, David Álvarez-García and Paloma González-Castro</i>	173
Chapter 11	Variables Affecting Academic Performance, Achievement, and Persistence of Roma Students <i>Ángela Antúnez, María del Henar Pérez-Herrero, José Carlos Núñez, Joaquín-Lorenzo Burguera and Pedro Rosário</i>	191
Chapter 12	Adolescent Violence and Drug Use <i>M^a del Carmen Pérez-Fuentes, M^a del Mar Molero and José Jesús Gázquez</i>	219
Chapter 13	University Dropout: Definition, Features and Prevention Measures <i>Ana Bernardo, María Esteban, Julio Antonio Gonzalez-Pienda, José Carlos Núñez and Alejandra Dobarro</i>	239
Chapter 14	First Year Retention Monitoring at the University <i>Ana Casaravilla and Alfonsa García</i>	261
	Epilogue	281
Chapter 15	Poverty, Inequity and Education: Correlation and Prospects <i>José Luis García, Olivia Leyva and Rafael Arestegui</i>	283
Chapter 16	Beating the Odds in University, Labor Market and Life: The Role of Higher Education in Times of Socioeconomic Change <i>Silvia Monteiro, Amanda R. Franco, Diana Lopes Soares, Adela García Aracil and Leandro S. Almeida</i>	295
Chapter 17	Research in Education: Good Practices <i>Paula Fernández, Ellián Tuero and Pablo Esteban Livacic-Rojas</i>	309
	About the Editors	327
	Index	329

Chapter 12

ADOLESCENT VIOLENCE AND DRUG USE

M^a del Carmen Pérez-Fuentes, M^a del Mar Molero
and José Jesús Gázquez*
University of Almería, Almería, Spain

ABSTRACT

This chapter presents an analysis of factors influencing substance use and school violence and describes the *Programa para la Detección de Conductas Adictivas y Violencia en Educación Secundaria* [High School Violence and Addictive Behavior Detection Program]. This program was the result of a need for in-depth analysis of substance use and peer violence, two problems present in today's youth. Although these two subjects must be dealt with separately, the scientific community is beginning to consider a relationship between them, implying a combined approach to their evaluation in order to include all the factors involved. [This project was carried out with the collaboration of the Almería Provincial Govt].

Keywords: violence, drug use, detection program, adolescents

INTRODUCTION

Adolescence is the transition to adulthood in which changes in individual and social development take place. It involves stressful events that have to be confronted effectively, and which could lead to the adolescents' involvement in situations that could seriously compromise their development (Bermúdez, Teva and Buela-Casal 2009). Thus substance use (Gázquez et al. 2015) or how they relate to their peers (Inglés et al. 2014) could lead to problematic adolescent behavior repertoires.

Recent reports on youth risk behavior have provided data alerting of a diversity of highly prevalent problems during adolescence (Calmaestra et al. 2016, 11-13), such as substance use

* Corresponding Author Email: mpf421@ual.es.

- Rodríguez-Fernández, Arantzazu, Estibaliz Ramos-Díaz, José María Madariaga, Ana Arrivillaga, and Nuria Galende. 2016. "Steps in the Construction and Verification of an Explanatory Model of Psychosocial Adjustment." *European Journal of Education and Psychology* 9:20-28.
- Rose, Amanda J., and Lance P. Swenson. 2009. "Do Perceived Popular Adolescents Who Aggress Against Others Experience Emotional Adjustment Problems Themselves?" *Developmental Psychology* 45:868-872. doi:http://doi.org/10.1037/a0015408.
- Simons-Morton, Bruce, and Tilda Farhat. 2010. "Recent Findings on Peer Group Influences on Adolescent Substance Use." *The Journal of Primary Prevention* 31, 4:191-208. doi:10.1007/s10935-010-0220-x.
- Suárez, Cristian, Gonzalo Del Moral, Belén Martínez, Bev John, and Gonzalo Musitu. 2016. "El patrón de consumo de alcohol en adultos desde la perspectiva de los adolescentes [Adult pattern of alcohol use as perceived by adolescents]." *Gaceta Sanitaria* 30:11-17. doi:10.1016/j.gaceta.2015.06.004.
- Sulkowski, Michael L., Sheri A. Bauman, Stephanie Dinner, Charisse Nixon, and Stan Davis. 2014. "An Investigation into How Students Respond to Being Victimized by Peer Aggression." *Journal of School Violence* 13:339-358. doi:10.1080/15388220.2013.857344.
- Undheim, Anne Mari, and Anne Mari Sund. 2010. "Prevalence of Bullying and Aggressive Behavior and their Relationship to Mental Health Problems among 12-to 15-Year-Old Norwegian Adolescents." *European Child and Adolescent Psychiatry* 19:803-811. doi:10.1007/s00787-010-0131-7.
- Vaillancourt, Tracy, Shelley Hymel, and Patricia McDougall. 2003. "Bullying is Power: Implications for School-Based Intervention Strategies." *Journal of Applied School Psychology* 19:157-176. doi:http://dx.doi.org/10.1300/J008v19n02_10.
- Vieno, Alessio, Gianluca Gini, and Massimo Santinello. 2011. "Different Forms of Bullying and their Association to Smoking and Drinking Behavior in Italian Adolescents." *The Journal of School Health* 81:393-399. doi:10.1111/j.1746-1561.2011.00607.x.
- Wallace, R. Jay, Philip Pettit, Samuel Scheffler, and Michael Smith. 2006. *Reason and Value: Themes from the Moral Philosophy of Joseph Raz*. New York: Oxford University Press.
- Wolke, Dieter, William E. Copeland, Adrian Angold, and E. Jane Costello. 2013. "Impact of Bullying in Childhood on Adult Health, Wealth, Crime, and Social Outcomes." *Psychological Science* 24:1958-1970. doi:10.1177/0956797613481608.
- World Health Organization. 2014. *Health for the World's Adolescents. A second chance in the second decade*. Ginebra: World Health Organization.