Handbook of Research on Driving STEM Learning With Educational Technologies

Part of the Advances in Educational Technologies and Instructional Design Book Series

María Soledad Ramírez Montoya (Tecnológico de Monterrey, Monterrey, Mexico)

Description:

Educational strategies have evolved over the years, due to research breakthroughs and the application of technology. By using the latest learning innovations, curriculum and instructional design can be enhanced and strengthened.

The Handbook of Research on Driving STEM Learning With Educational Technologies is an authoritative reference source for the latest scholarly research on the implementation and use of different techniques of instruction in modern classroom settings. Features exhaustive coverage on a variety of topics including data literacy, student motivation, and computer-aided assessment.

Readers:

This resource is an essential reference publication ideally designed for academicians, researchers, and professionals seeking current research on emerging uses of technology for STEM education.


Topics Covered:

- Argumentation Schema
- Computer-Aided Assessment
- Data Literacy
- Financial Literacy
- Mathematical Competences
- Modeling and Simulation
- Scientific Reasoning Analysis
- Situated Learning
- Student Motivation

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Table of Contents

Preface

Section 1
Research in Mathematics Education

Chapter 1
Training Educational Researchers in Science and Mathematics: A Case Study through a Binational Workshop
Mexico-UK
Maria-Soledad Ramirez-Montoya, Tecnologico de Monterrey, Mexico

Chapter 2
Using Modeling and Simulation to Learn Mathematics
Ruth Rodríguez Gallegos, Tecnologico de Monterrey, Mexico

Chapter 3
Teachers and Mathematical Modeling. What are the Challenges?
Samantha Analuz Quiroz Rivera, Tecnologico de Monterrey, México
Ruth Rodríguez Gallegos, Tecnologico de Monterrey, Mexico

Chapter 4
Data literacy and citizenship: Understanding ‘Big data’ to boost teaching and learning in Science and Mathematics
Eddy Borges Rey, University of Stirling, UK

Chapter 5
Financial Literacy: Gaps Found Between Mexican Public and Private, Middle and High-School Students
Adriana Berenice Valencia Álvarez, Tecnologico de Monterrey, México
Jaime Ricardo Valenzuela González, Tecnologico de Monterrey, Mexico

Chapter 6
A Project Based Learning Approach: Developing Mathematical Competences in Engineering Students
Ismael Osuna Galán, Universidad Politécnica de Chiapas, Mexico
Alejandro M. Rosas-Mendoza, IPN-CICATA, Mexico

Chapter 7
Didactic Sequences Teaching Mathematics for Engineers with Focus On Differential Equations
Luis Ramón Sieró González, Instituto Politécnico Nacional, Mexico
Avenilde Romo Vázquez, Instituto Politécnico Nacional, Mexico

Chapter 8
Making Links between Solutions to an Unstructured Problem: The Role of Pre-Written, Designed Student Responses
Sheila Evans, University of Nottingham, UK

Chapter 9
Assessing Authentic Intellectual Work in Mathematics Tasks
Lesly Yaíaira Rodríguez Martínez, Universidad Autónoma de Aguascalientes, Mexico
María Guadalupe Martínez Pérez, Universidad Autónoma de Aguascalientes, Mexico
Adriana Mercado Salas, Universidad Autónoma de Aguascalientes, Mexico

Research in science education

Chapter 10
The Importance of the Disciplinary Perspective in Educational Research
Ross Kerr Galloway, University of Edinburgh, UK
Paul Hernández-Martínez, Loughborough University, UK

Chapter 11
Learning Biology with Situated Learning in Mexican Zapoteca Tele-secondary Schools
Paulina Guerrero-Gutiérrez, King’s College London, UK

Chapter 12
Transformations of the Concept of Linear Function in Technological High Schools
Rebeca Flores García, Instituto Politécnico Nacional, Mexico

Chapter 13
Measurement Instruments to Motivate Scientific Learning by Conceptual Change
Ana Marcela Monjardín Gopar, Universidad Politécnica de Chihuahua, Mexico
Gerónimo Mendoza Meraz, Universidad Autónoma de Chihuahua, Mexico

Chapter 14
Test Design to Assess the Qualities of Science Students’ Prior Knowledge
Luis Hernán Arellano Ulloa, Instituto Tecnológico de Chihuahua, Mexico
Gerónimo Mendoza Meraz, Universidad Autónoma de Chihuahua, Mexico
Ana Cecilia Villarreal Ballesteros, Universidad Autónoma de Chihuahua, Mexico

Chapter 15
Argumentation Schema to Analyze High School Students’ Scientific Reasoning
Ricardo Lorenzo De la Garza González, Tecnológico de Monterrey, Mexico
Genaro Zavala, Tecnológico de Monterrey, Mexico
Alma Adrianna Gómez Galindo, CINVESTAV Unidad Monterrey, Mexico

Chapter 16
Accurate Items for Inaccurate Conceptions in Undergraduate Physics Students
Eder Hernandez, Tecnológico de Monterrey, Mexico
Genaro Zavala, Tecnológico de Monterrey, Mexico

Chapter 17
A Look into Students’ Interpretation of Electric Field Lines
Esmeralda Campos, Tecnológico de Monterrey, Mexico
Genaro Zavala, Tecnológico de Monterrey, Mexico

Chapter 18
Research-based Strategies in an Electric Circuits Lab: Tutorials and RealTime Physics Approaches
Mónica Quezada-Espinoza, Tecnológico de Monterrey, Mexico
Genaro Zavala, Tecnológico de Monterrey, Mexico

Section 3
Research with technology and statistics support

Chapter 19
Chapter 20
The Effectiveness of Computer-Aided Assessment for the Purposes of a Mathematical Sciences Lecturer
Stephen Broughton, Oxford Brookes University, UK
Paul Hernández-Martínez, Loughborough University, UK
Carol L. Robinson, Loughborough University, UK

Chapter 21
Construction of the Definite Integral Concept Using Open Source Software
Lizzeth Aurora Navarro-Ibarra, Instituto Tecnológico de Sonora, Mexico
Omar Cuevas-Salazar, Instituto Tecnológico de Sonora, Mexico
Alan Daniel Robles-Aguilar, Instituto Tecnológico de Sonora, Mexico

Chapter 22
Context as Action in the Teaching of Statistical Concepts: An Activity Theory Perspective
Helen Harth, Loughborough University, Mexico

Chapter 23
Statistics in Journalism Practice and Higher Education
Jairo Lugo-Ocando, University of Leeds, UK

Chapter 24
Understanding Quality of Statistics in News Stories: A Theoretical Approach From the Audience’s Perspective
Alessandro Martinisi, University of Leeds, UK

Chapter 25
The Uses of Science Statistics in the News Media and on Daily Life
Renata Faria Brandão, University of Sheffield, UK

Compilation of References
About the Contributors
Index

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