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Titolo	Constructivist learning design : key questions for teaching to standards / / George W. Gagnon, Jr., Michelle Collay ; foreword by Richard A. Schmuck ; acquisitions editor Faye Zucker ; cover designer Michael Dubowe
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ISBN	1-4833-6132-2 1-4833-6349-X
Descrizione fisica	1 online resource (257 p.)
Disciplina	370.152
Soggetti	Constructivism (Education) Instructional systems - Design Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Cover; Contents; Foreword; Preface; Acknowledgments; About the Authors; Introduction: Learning Design; Situation Section: Constructivist Learning Design; Elements of the Design; Groups Section: Learning Considerations; Bridge Section: What is Learning?; Task Section: Learning Characteristics; Exhibit Section: Fairy Tales Learning Episodes; Reflection Section: Precedents for Constructivist Learning Design; Concluding Remarks: Where Do We Stand?; Chapter 1 - Designing Situations; Situation Section: Defining Guiding Questions; Purpose of a Situation Element; Topic for a Situation Element Assessment in a Situation ElementGroups Section: Co-Constructing the CLD; Considerations for Designing a Situation Element; Bridge Section: Questions for Analyzing Situations; Task Section: Revising a Situation Element; Characteristics of a Situation Element; Exhibit Section: Example Situation Elements; Reflection Section: Precedents for a Situation Element; Concluding Remarks: Thoughts on Designing Situations; Chapter 2 - Organizing Groups; Situation Section: Deciding on Groups; Purpose of a Groups Element; Topic for a Groups Element;

Assessment in a Groups Element

Groups Section: The Power of Collaborative ThinkingConsiderations for Organizing a Groups Element; Bridge Section: Questions for Forming Groups; Task Section: Revising a Groups Element; Characteristics of a Groups Element; Exhibit Section: Example Groups Elements; Reflection Section: Precedents for a Groups Element; Concluding Remarks: Thoughts on Arranging Groups; Chapter 3 - Building Bridges; Situation Section: Surfacing Prior Knowledge; Purpose of a Bridge Element; Topic for a Bridge Element; Assessment in a Bridge Element; Groups Section: Connecting with Student Thinking

Considerations for Building a Bridge ElementBridge Section: Questions for Structuring Bridges; Task Section: Revising a Bridge Element; Characteristics of a Bridge Element; Exhibit Section: Example Bridge Elements; Reflection Section: Precedents for a Bridge Element; Concluding Remarks: Thoughts on Building Bridges; Chapter 4 - Crafting Tasks; Situation Section: Crafting a Task; Purpose of a Task Element; Topic for a Task Element; Assessment in a Task Element; Groups Section: Thinking together to Make Meaning; Considerations for Crafting a Task Element

Bridge Section: Questions for Framing TasksTask Section: Revising a Task Element; Characteristics of a Task Element; Exhibit Section: Example Task Elements; Reflection Section: Precedents for a Task Element; Concluding Remarks: Thoughts on Crafting Tasks; Chapter 5 - Arranging Exhibits; Situation Section: Defining the Nature of an Exhibit; Purpose of an Exhibit Element; Topic for an Exhibit Element; Assessment in an Exhibit Element; Groups Section: The Power of Students Presenting Their Thinking; Considerations for Arranging an Exhibit Element

Bridge Section: Questions for Encouraging Exhibits

Sommario/riassunto

Use the Constructivist Learning Design (CLD) six-step planning framework to engage students in constructivist learning events that meet standards-based outcomes.

2. Record Nr. UNINA9910300121303321

Titolo	Modeling, Dynamics, Optimization and Bioeconomics III : DGS IV, Madrid, Spain, June 2016, and Bioeconomy VIII, Berkeley, USA, April 2015 – Selected Contributions / / edited by Alberto A. Pinto, David Zilberman
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Edizione	[1st ed. 2018.]
Descrizione fisica	1 online resource (469 pages)
Collana	Springer Proceedings in Mathematics & Statistics, , 2194-1017 ; ; 224
Disciplina	511.8
Soggetti	Dynamical systems Mathematical optimization Econometrics Physical geography Environmental sciences - Mathematics Mathematical models Dynamical Systems Optimization Quantitative Economics Earth System Sciences Mathematical Applications in Environmental Science Mathematical Modeling and Industrial Mathematics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Preface -- Optimal Regional Regulation of Animal Waste: Antti Iho, Doug Parker and David Zilberman -- An Overview of Synchrony in Coupled Cell Networks: Manuela A. D. Aguiar and Ana P. S. Dias -- Inexact Subspace Iteration for the Consecutive Solution of Linear Systems with Changing Right-Hand Sides: Carlos Balsa, Michel Daydé, José M.L.M. Palma and Daniel Ruiz -- Location Around Big Cities as Central Places: Fernando Barreiro-Pereira -- Predicting Energy Demand in Spain and Compliance with the Greenhouse Gas Emissions

Agreements: Diego Bodas-Sagi and José M. Labeaga -- Simulation and Advanced Control of the Continuous Biodiesel Production Process: Ana S. R. Brásio, Andrey Romanenko and Natércia C. P. Fernandes -- Prior Information in Bayesian Linear Multivariate Regression: J. Casaca -- Perceptions of True and Fair View: Effects of Professional Status and Maturity: José A. Gonzalo-Angulo, Anne M. Garvey and Laura Parte -- Topics of Disclosure on the Websites: An Empirical Analysis for FinTechCompanies: Teresa Herrador-Alcaide and Montserrat Hernández Solís -- On the Thin Boundary of the Fat Attractor: Artur O. Lopes and Elismar R. Oliveira -- Transport and Large Deviations for Schrodinger Operators and Mather Measures: A. O. Lopes and Ph. Thieullen -- Dynamics of a Fixed Bed Adsorption Column in the Kinetic Separation of Hexane Isomers in MOF ZIF-8: Patrícia A. P Mendes, Alírio E. Rodrigues, João P. Almeida and José A. C. Silva -- A Simulation Model for the Physiological Tick Life Cycle: Nabil Nassif, Dania Sheaib and Ghina El Jannoun -- Long-term Value Creation in Mergers and Acquisitions: Contribution to the Debate: Julio Navío-Marco and Marta Solórzano-García -- Cournot Duopolies with Investment in R&D: Regions of Nash Investment Equilibria: B.M.P.M. Oliveira, J. Becker Paulo, A.A. Pinto -- On a Stochastic Logistic Growth Model with Predation: an Overview of the Dynamics and Optimal Harvesting: Susana Pinheiro -- Myopia of Governments and Optimality of Irreversible Pollution Accumulation: Laura Policardo -- Stochastic Modelling of Biochemical Networks and Inference of Model Parameters: Vilda Purutçuoglu -- Complete Nonholonomy of the Rolling Ellipsoid - A Constructive Proof: F. Rüppel, F. Silva Leite and R. C. Rodrigues -- Methodological Approaches to Analyse Financial Exclusion From an Urban Perspective: Cristina Ruza-Paz-Curbera, Beatriz Fernández-Olit and Marta de la Cuesta-González -- Prospective Study about the Influence of Human Mobility in Dengue Transmission in the State of Rio de Janeiro: Bruna C. dos Santos, Larissa M. Sartori, Claudia Peixoto, Joyce S. Bevilacqua and Sergio M. Oliva -- The Impact of the Public-Private Investments in Infrastructure on Agricultural Exports in Latin American Countries: Bárbara Soriano and Amelia Pérez Zabaleta -- Major Simulation Tools for Biochemical Networks: Gökçe Tuncer and Vilda Purutçuoglu.

Sommario/riassunto

The research and review papers presented in this volume provide an overview of the main issues, findings, and open questions in cutting-edge research on the fields of modeling, optimization and dynamics and their applications to biology, economics, energy, finance, industry, physics and psychology. Given the scientific relevance of the innovative applications and emerging issues they address, the contributions to this volume, written by some of the world’s leading experts in mathematics, economics and other applied sciences, will be seminal to future research developments and will spark future works and collaborations. The majority of the papers presented in this volume were written by participants of the 4th International Conference on Dynamics, Games and Science: Decision Models in a Complex Economy (DGS IV), held at the National Distance Education University (UNED) in Madrid, Spain in June 2016 and of the 8th Berkeley Bioeconomy Conference: The Future of Biofuels, held at the UC Berkeley Alumni House in April 2015.