1. Record Nr. UNINA9910966955703321

Titolo	Inquiry-based global learning in the K-12 social studies classroom / / edited by Brad M. Maguth and Gloria Wu
Pubbl/distr/stampa	New York, NY : , : Routledge, , 2020
ISBN	1-000-05944-8 0-429-33149-5 1-000-05940-5
Edizione	[1st ed.]
Descrizione fisica	1 online resource (xiv, 280 pages) : illustrations
Disciplina	300.71 372.89
Soggetti	Social sciences - Study and teaching
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Cover -- Half Title -- Title Page -- Copyright Page -- Dedication Page -- Contents -- Acknowledgments -- Contributors -- Foreword -- PART I Inquiry-Based Global Learning -- 1 Global Learning in the Social Studies Classroom -- 2 Inquiry-Based Global Learning and the C3 Framework -- PART II Showcasing Global Learning -- SECTION 1 Investigating Global and Cross-Cultural Perspectives -- 3 What Is the Difference Between the Chinese Dragon and Its Depiction in the West? -- 4 How Can We Learn About Faraway Places? Life and Learning in Tanzania -- 5 How Did the Silk Road Influence the Development of China, the Middle East, and Europe? -- 6 What Were the Psychological Motivations of the Nanjing Safety Zone Committee? -- 7 How Did European Views on Race Lead to the African Slave Trade? -- SECTION 2 Understanding Global Issues and Geographies -- 8 What Can Iraqi Food Tell Us About Its Society and Cultures? -- 9 How Should the World Best Respond to Refugees? -- 10 In What Ways Do Cold War Perspectives Compare Across the Globe? -- 11 What Is the Lasting Impact of the Use of Nuclear Weapons During WWII in Japan? -- 12 To What Extent Can Human Rights and a Free Market Coexist in a Global Economy? -- SECTION 3 Making Local to Global Connections -- 13 How Is My Community's Immigration Story Part of the Story of the World? -- 14 What Can Local Store Products Tell Me About the World and Its People?

	-- 15 In What Ways Is the U.S. Constitution a Global Document? -- SECTION 4 Applying Global Learning to Take Informed Action -- 16 Can We Right an Environmental Wrong? -- 17 What Individual and Collective Actions Are Most Effective to Protect Bees and Other Pollinators? -- 18 Where Does the World Stand on Gay Rights? -- 19 Why Is Anti-Black Racism in Latin America a Human Rights Issue? -- Index.
Sommario/riassunto	"This book, edited by experienced scholars in the field, brings together a diverse array of educators to showcase lessons, activities, and instructional strategies that advance inquiry-oriented global learning. Directly aligned to the College, Career, and Civic Life (C3) Framework for Social Studies State Standard, this work highlights ways in which global learning can seamlessly be interwoven into the disciplines of History, Economics, Geography, Civics, Psychology, Sociology, and Anthropology. Recently adopted by the National Council for the Social Studies, the nation's largest professional organization of history and social studies teachers, the C3 Framework prioritizes inquiry-oriented learning experiences across the social studies disciplines in order to advance critical thinking, problem solving, and participatory skills for engaged citizenship"--

2. Record Nr. UNINA9910743224503321

Titolo	Computer Aided Pharmaceutics and Drug Delivery : An Application Guide for Students and Researchers of Pharmaceutical Sciences / / edited by Vikas Anand Saharan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-16-5180-9 981-16-5179-5
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (767 pages)
Disciplina	950.05
Soggetti	Pharmaceutical chemistry Pharmacology Drug delivery systems Biotechnology Pharmaceutics Drug Delivery
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.
Nota di contenuto	History and Present Scenario of Computers in Pharmaceutical Research and Development.-Historical Developments on Computer Applications in Pharmaceutics -- Computer Aided Formulation Development -- Quality-by-Design in Pharmaceutical Development -- Teaching Principles of DoE as an Element of QbD for Pharmacy Students -- Computer-Assisted Manufacturing of Medicines -- Computer Aided Biopharmaceutical Characterization: Gastrointestinal Absorption Simulation and In Silico Computational Modeling -- Computer Simulation and Modeling in Pharmacokinetics and Pharmacodynamics -- Physiologicallly Based Pharmacokinetic Modelling -- Computers in Clinical Development -- Artificial Intelligence (AI) -- Robotic Automation of Pharmaceutical and Life Science Industries -- Soft Robots for the Delivery of Drugs -- Use of Computers and Internet in Scholarly Information Retrieval -- Patent Searching -- Computer Aided Drug Design (CADD) -- Quantitative Structure Property Relationship (QSPR) Modeling Applications in Formulation Development -- Modeling

Approaches for Studies of Drug-Polymer Interactions in Drug Delivery Systems -- Computers in Pharmaceutical Analysis -- Telemedicine -- Bioinformatics in Drug-Design and Delivery -- Statistical Modeling Techniques -- Molecular Modelling of Nanoparticles -- Pharmaceutics Informatics: Bio/chemoinformatics in Drug Delivery -- Computer-aided Development and Testing of Human Extra-thoracic Airway Models for Inhalation Drug Delivery.

Sommario/riassunto

This book examines the role of computer-assisted techniques for discovering, designing, optimizing and manufacturing new, effective, and safe pharmaceutical formulations and drug delivery systems. The book discusses computational approaches, statistical modeling and molecular modeling for the development and safe delivery of drugs in humans. The application of concepts of QbD (Quality by Design), DoE (Design of Experiments), artificial intelligence and in silico pharmacokinetic assessment/simulation have been made a lot easier with the help of commercial software and expert systems. This title provides in-depth knowledge of such useful software with illustrations from the latest researches. The book also fills in the gap between pharmaceutics and molecular modeling at micro, meso and maro scale by covering topics such as advancements in computer-aided Drug Design (CADD), drug-polymer interactions in drug delivery systems, molecular modeling of nanoparticles and pharmaceutics/bioinformatics. This book provides abundant applications of computers in formulation designing and characterization are provided as examples, case studies and illustrations. Short reviews of software, databases and expert systems have also been added to culminate the interest of readers for novel applications in formulation development and drug delivery. Computer-aided pharmaceutics and drug delivery is an authoritative reference source for all the latest scholarly update on emerging developments in computed assisted techniques for drug designing and development. The book is ideally designed for pharmacists, medical practitioners, students and researchers. .