

1. Record Nr.	UNIORUON00230823
Titolo	Klassische texte der Staatsphilosophie / hrsg. von Norbert Hoerster
Pubbl/distr/stampa	Munchen, : Deutscher Taschenbuch Verlag, 1976
Descrizione fisica	310 p. ; 18 cm
Disciplina	320.1
Soggetti	FILOSOFIA POLITICA - Storia Politica - Teorie - Storia
Lingua di pubblicazione	Tedesco
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910897984503321
Autore	Shernoff David J.
Titolo	Integrative STEM and STEAM Education for Real-Life Learning // by David J. Shernoff
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2024
ISBN	9783031698248 303169824X
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (269 pages)
Collana	Advancing Responsible Adolescent Development, , 2195-0903
Disciplina	620.0071
Soggetti	Developmental psychology School psychology Teachers - Training of Library science Cognitive psychology Technical education Developmental Psychology School Psychology Teaching and Teacher Education Library Science Cognitive Psychology Engineering and Technology Education Educació STEM Llibres electrònics

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Introduction to STEM, STEAM, and Its Real-Life Applications -- Making in Place," Flexible STEM / STEAM Learning, and Flow during the COVID-19 Pandemic -- Integrative STEM Teacher Professional Development -- Next Generation Science Standards: Conceptual and Pedagogical Shifts in STEM / STEAM Teaching in K to 12 Classrooms -- The Emergence of STEAM Instruction and Curricula Word-Wide -- Makerspaces and STEM / STEAM Education -- STEM / STEAM Culture of Collaboration: A Separate World from Lecture Classes -- Educational Video Games and Technology Integration -- Computer Science, Artificial Intelligence (AI) and Machine Learning in STEM -- Future Directions in STEM / STEAM Education Research and Practice: The Case of Climate Change Education.
Sommario/riassunto	<p>This book illustrates that real-life learning in which students conduct scientific investigations and make new innovations to solve real-world problems is an integral part of STEM (science, technology, engineering, math) and STEAM (science, technology, engineering, art, math) education. It provides examples of student and teacher work from projects of the Rutgers University Center of Mathematics, Science, and Computer Education. The book examines how new K to 12 education standards and innovative teacher professional development programs – which emphasize transdisciplinary approaches to STEM and STEAM – lead to the emergence of real-life education in schools. In addition, the book references related research to identify key advances in STEM and STEAM education. Special topics include the uses of makerspaces, educational video games, artificial intelligence (AI), and machine learning to fuel project-based, real-life learning. Key areas of coverage include: the role of new K-12 standards in science, design thinking, computer science, and climate change in stimulating integrative STEM/STEAM education; obstacles and supports for teaching integrative STEM programs; modes of collaboration in STEM, STEAM, and maker-based education; and the importance of teacher professional development to promote transdisciplinary learning. Integrative STEM and STEAM Education for Real-Life Learning is an essential resource for researchers, professors, college students, as well as educational leaders and policy makers with interests in the STEM and STEAM disciplines, psychology, teaching and teacher education, library science, and multimedia. “A must-read for anyone committed to the future of education. This book is not only thought-provoking; it is a guide to action, offering a compelling approach that empowers youth and educators alike.” Dr. Margaret Honey, President and CEO, Scratch Foundation “David J. Shernoff, a leading expert in the field, explores how integrative approaches in STEM and STEAM are not just about preparing students for the future, but engaging them in solving real-world problems today...this book demonstrates how education can empower students to become active, innovative contributors to society.” Cassie Quigley, author of Educator’s Guide to STEAM Education .</p>