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	Nota di contenuto	1. Research Status in Computational Thinking in STEM Education -- 2. Impact of Dialogic Argumentation Pedagogy on Grade 8 Students' Epistemic Knowledge of Science -- 3. Views of South Sudanese Secondary School Teachers about the Use of Humour in the Mathematics Classroom -- 4. Impact of Integrated Science and Mathematics Instruction on Middle School Science and Mathematics Achievement -- 5. Grade 10 Girls' Experiences in Choosing STEM Subjects in Rakwadu Circuit, South Africa -- 6. The Power in Groups: Using Cluster Analysis to Critically Quantify Women's STEM Enrollment -- 7. Robots, Everlasting? A Framework for Classifying CS Educational Robots.
	Sommario/riassunto	Along with focusing on advances that bring forward STEM education, this book presents research on a variety of issues related to the STEM approach. Chapters discuss strategies in STEM teaching and learning as well as strategies that help students cope with the challenges of hard mathematical work. They also address problems of resource purchasing and factors that impact girls' decisions to pursue STEM careers. Through these and other topics, this book seeks to facilitate a deeper understanding of STEM education and its challenges in the contemporary world.