1. Record Nr. UNINA9910688351603321 Active Learning: research and practice for STEAM and social sciences **Titolo** education / / edited by Delfin Ortega Sanchez Pubbl/distr/stampa ©2022 London:,:IntechOpen,, 2022 Descrizione fisica 1 online resource (296 pages) Collana Education and human development Disciplina 371.39 Soggetti Active learning Lingua di pubblicazione Inglese Formato Materiale a stampa Livello bibliografico Monografia Includes bibliographical references and index. Nota di bibliografia Nota di contenuto 1. Emergent Chemistry: Using Visualizations to Develop Abstract Thinking and a Sense of Scale within the Preschool Setting By Karina Adbo -- 2. Integrating Analogy into Scientific Modeling for Students' Active Learning in Chemistry Education By Song Xue and Danner Sun --3. About the Notion of Inverse Problem in STEM Education By Victor Martinez-Luaces, Jose Antonio Fernandez-Plaza and Luis Rico -- 4. Mathematical Creative Model: Theory Framework and Application in Mathematics Learning Activities By Subanji Subanji and Toto Nusantara -- 5. The Language That Grade R Students Use to Achieve the Envisaged Mathematics Outcomes, a South African Perspective By Shakespear M. Chiphambo and Nosisi N. Feza -- 6. A Method to

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Sommario/riassunto

This book provides theoretical answers, applied methodological models, and didactic experiences that seek to reflect and analyze the potentialities and challenges of the active learning concept in STEAM disciplines and social sciences education. It also contributes to the understanding, intervention, and resolution of contemporary social problems and to the United Nations Sustainable Development Goals through the design, implementation, and evaluation of educational programs that incorporate integrated active learning as one of its explanatory axes.