

1. Record Nr.	UNINA9910410017703321
Autore	Yu Chong Ho
Titolo	Creating Change to Improve Science and Mathematics Education [[electronic resource]] : Lessons from Hong Kong // by Chong Ho Yu, Hyun Seo Lee
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
ISBN	981-15-3156-0
Edizione	[1st ed. 2020.]
Descrizione fisica	1 online resource (xiii, 161 pages) : illustrations
Disciplina	507.1
Soggetti	Technical education Science education Assessment Engineering/Technology Education Science Education Assessment, Testing and Evaluation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1 Introduction -- 2 Overarching framework: Learning to learn -- 3 Creativity, work ethic, and foundational knowledge -- 4 Problem Solving -- 5 Self-efficacy and productive failure -- 6 Blending intrinsic and extrinsic motivation -- 7 Time to learn from others.
Sommario/riassunto	This book discusses the merits and potential shortcomings of Hong Kong STEM education from Grade 8 to Grade 12. Based on concurrent triangulated mixed-method methodology, which integrates both quantitative and qualitative procedures, it describes various change models and proposes new models that are considered compatible with Western cultures.