1.	Record Nr.	UNINA9910160767203321
	Autore	Drijvers Paul
	Titolo	Uses of Technology in Lower Secondary Mathematics Education [[electronic resource]] : A Concise Topical Survey / / by Paul Drijvers, Lynda Ball, Bärbel Barzel, M. Kathleen Heid, Yiming Cao, Michela Maschietto
	Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2016
	ISBN	3-319-33666-5
	Edizione	[1st ed. 2016.]
	Descrizione fisica	1 online resource (VII, 34 p. 9 illus.)
	Collana	ICME-13 Topical Surveys, , 2366-5947
	Disciplina	370
	Soggetti	Mathematics—Study and teaching
		Educational technology
		Teaching
		Learning
		Instruction
		Mathematics Education
		Educational Technology
		Teaching and Teacher Education
		Learning & Instruction
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	Main Topics You Can Find in this "ICME-13 Topical Survey" -- Introduction -- Survey on the State-of-the-art -- Summary and Looking Ahead.
	Sommario/riassunto	This topical survey provides an overview of the current state of the art in technology use in mathematics education, including both practice-oriented experiences and research-based evidence, as seen from an international perspective. Three core themes are discussed: Evidence of effectiveness; Digital assessment; and Communication and collaboration. The survey's final section offers suggestions for future trends in technology-rich mathematics education and provides a research agenda reflecting those trends. Predicting what lower secondary mathematics education might look like in 2025 with respect

to the role of digital tools in curricula, teaching and learning, it examines the question of how teachers can integrate physical and virtual experiences to promote a deeper understanding of mathematics. The issues and findings presented here provide an overview of current research and offer a glimpse into a potential future characterized by the effective integration of technology to support mathematics teaching and learning at the lower secondary level.