

1. Record Nr.	UNINA9910349351503321
Autore	Frailon Julian
Titolo	IEA International Computer and Information Literacy Study 2018 Assessment Framework [[electronic resource] /] / by Julian Frailon, John Ainley, Wolfram Schulz, Daniel Duckworth, Tim Friedman
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-030-19389-6
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VII, 74 p.)
Disciplina	371.26
Soggetti	Assessment Education—Data processing International education Comparative education Assessment, Testing and Evaluation Computers and Education International and Comparative Education Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Foreword -- 1. Introduction -- 2. Computer and information literacy framework -- 3. Computational thinking framework -- 4. Contextual framework -- 5. ICILS instruments -- 6. References -- Appendix.
Sommario/riassunto	This open-access book presents the assessment framework for IEA's International Computer and Information Literacy Study (ICILS) 2018, which is designed to assess how well students are prepared for study, work and life in a digital world. The study measures international differences in students' computer and information literacy (CIL): their ability to use computers to investigate, create, participate and communicate at home, at school, in the workplace and in the community. Participating countries also have an option for their students to complete an assessment of computational thinking (CT). The ICILS assessment framework articulates the basic structure of the study, providing a description of the field and the constructs to be

measured. This book outlines the design and content of the measurement instruments, sets down the rationale for those designs, and describes how measures generated by those instruments relate to the constructs. Hypothesized relations between constructs provide the foundation for some of the analyses that follow. Above all, the framework links ICILS to other similar research, enabling the contents of this assessment framework to combine theory and practice in an explication of both the 'what' and the 'how' of ICILS.
