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                        Assessment Framework [[electronic resource] /] / by Julian Fraillon,
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   Nota di contenuto   Foreword -- 1. Introduction -- 2. Computer and information literacy
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                        framework -- 5. ICILS instruments -- 6. References -- Appendix.

   Sommario/riassunto   This open-access book presents the assessment framework for IEA's
                        International Computer an 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 eld 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.